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AIR MINISTRY

METEOROLOGICAL OFFICE

RÉSEAU MONDIAL 1922

MONTHLY AND ANNUAL SUMMARIES OF
PRESSURE, TEMPERATURE, AND PRECIPITATION
BASED ON A WORLD-WIDE NETWORK OF
OBSERVING STATIONS

Published by the Authority of the Meteorological Committee

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RÉSEAU MONDIAL, 1922.

PREFACE.

The Réseau Mondial is published under the auspices of the International Meteorological Committee, which has appointed a Commission, the International Commission for the Réseau Mondial, to foster the enterprise. An account of its early history is given in the preface to the volume for **1914**. The publication of the data commenced in **1917** with the annual volume for **1911**, and during the four following years the volumes for **1912**, **1913**, **1910** and **1914** were issued, in that order. Since the appearance of the volume for **1914**, meetings of the Commission have taken place in connexion with the meetings of the International Meteorological Committee held in London in September, **1921**, and in Zürich in September, **1926**. At the London meeting the Commission approved the general form in which the results had been published, and adopted a resolution, subsequently endorsed by the Committee, requesting that the publication of similar data for ensuing years might be continued. In compliance with that request, eight additional volumes have been issued.

The volume for **1921** for the first time gave effect to a wish, also voiced at the meeting held in London, for the inclusion of data from the oceans as well as from land stations. In that volume the information was confined to two five-degree " squares " in the North Atlantic Ocean ; in the present volume the number of such squares has grown to six, of which four are in the North Atlantic and two in the North Pacific Ocean. The figures represent the data supplied by ships reporting to the Meteorological Services of Denmark, Germany, Holland and the United States, as well as to the British Meteorological Office, and for the Atlantic squares the different European Services have co-operated in accordance with a scheme suggested by the Commission for Maritime Meteorology. The data will be found intercalated among the observations from land stations, as numbers **307**, **333**, **333**a, **430**, **508** and **831**. They include—

(1) the mean latitude and longitude of the observations, calculated separately for each month.

(2) the number of observations (entered in the column for " height ").

(3) the mean pressure.

(4) the mean temperature of the sea surface. For convenience these figures have been entered in the column for the date of the absolute maximum temperature.

(5) the mean temperature of the air.

For the Atlantic squares the values are based partly on observations taken six times a day, and partly on observations at 8h. and 20h., local time ; the latter figures have been corrected for diurnal variation and the two sets have then been combined. For the two squares in the Pacific the observations are taken only once daily, at 12h. G.M.T., 2 a.m. and 2.40 a.m. local time. In general, mean values from observations taken six times a day are deduced from not less than **30** observations per month, thus putting a square on a par with a land station observing once daily. In square 53°—48° N., 20°—15° W., the number of observations is greater than this minimum in each month ; in the other squares the numbers fall below **30** in some months but the data have been included in order to avoid breaking the continuity of the series. It will be observed that for some squares, two figures are given for

(81) Wt. 19425–6004/1525. 375. 6/29. T.S. 66.

each month as the number of observations. These different figures refer to the different elements ; the number of observations of pressure available in any month frequently differs from the number of observations of sea temperature or of air temperature. The differences are in general not of sufficient importance to affect appreciably the mean latitude and longitude. Differences from normal are given where possible ; the sources of these normals are stated in the " Table of Authorities."

At the meeting of the Commission held in Zürich in 1926, the following rules were adopted to regulate the practice regarding the normals to be used in the Réseau Mondial.

" (*a*) Departures from normal will not be employed unless the series of observations available covers a period of ten years or more.

(*b*) A normal will be prepared for any station as soon as ten years' observations are available. This normal will remain in use for the next five years. When data for 15 years are available, the normal will be revised. A further revision will take place when data for 25 years become available, and a final revision when data for 35 years become available. Normals covering a period of 35 years or more will only be revised when opportunity offers.

(*c*) While the procedure laid down in paragraph (*b*) will be the one usually followed, advantage will be taken of any re-determinations of normals which become available. Such an opportunity is presented by the publication of the collection of the " Long Series " data which is now being made by the Smithsonian Institution, and normals based on these data will be brought into use in the volume of the Réseau Mondial for 1921.

(*d*) When an official meteorological service publishes departures from normal in its current publications these may, if thought desirable, be used in the Réseau Mondial.

(*e*) The periods covered by the normals will be set out in the Table of Authorities as at present. Whenever new normals are introduced the attention of readers will be called to the change by adding an appropriate sign to the figures to which the new normal has first been applied.

(*f*) These instructions will be brought into use when the compilation of the volume for the year 1921 is commenced."

In editing the present volume these rules have been closely followed.

The membership of the Commission at the close of the Zürich meeting was as follows : Dr. G. C. Simpson, Great Britain (President) ; Dr. W. van Bemmelen, Holland ; Professor F. Eredia, Italy ; Professor E. van Everdingen, Holland ; M. Sampaio Ferraz, Brazil ; Professor von Ficker, Germany ; Professor E. Fontseré, Spain ; Dr. S. Fujiwhara, Japan ; M. Gain, France ; Dr. L. Gorczynski, Poland ; Professor Dr. B. Helland Hansen, Norway ; Professor Dr. H. Hergesell, Germany ; Dr. Th. Hesselberg, Norway ; Mr. H. A. Hunt, Australia ; Professor Dr. M. Knudsen, Denmark ; Dr. O. Krogness, Norway ; Mr. R. G. K Lempfert, Great Britain ; Professor C. F. Marvin, United States of America ; Professor G. Melander, Finland ; Professor T. Okada, Japan ; Professor A. de Quervain, Switzerland (deceased, January 13th, 1927) ; Captain Rouch, France ; Sir Napier Shaw, Great Britain ; Mr. C. Stewart, South Africa ; Sir Frederic Stupart, Canada ; Sir Gilbert Walker, Great Britain ; Dr. A. Wallén, Sweden ; Captain P. Wehrlé, France ; Professor Vladimir Wiese, Russia.

A list of the additions or changes made in the network of stations since the issue of the preceding volume is given below. These changes have been made in consultation with the Directors of the National Meteorological Services concerned.

Additions :—

Zone 1, 80°—70° N.	...	153, Dickson.
Zone 7, 20°—10° N.	...	735*a*, Niénébalé.
Zone 8, 10° N.— 0°	...	823, Ciudad Bolivar.
Zone 9, 0°—10° S.	...	967, Rabaul.
Zone 10, 10°—20° S.	...	1041, Elisabethville.
		1046, Tamatave.
		1047, Vohémar.
		1048, Antalaha.
Zone 11, 20°—30° S.	...	1145, Tuléar.
		1146, Fort Dauphin.

The following substitutions have been made :—

Substitutions :—

Zone 5, 40°—30° N.	...	545, Baghdad. Station moved to Hinaidi (33° 20′ N. 44° 26′ E. 43·0 m.) from Jan. 29th.
Zone 9, 0°—10° S.	...	944, Nairobi (Dept. Agric.) for Nairobi (Kabete Farm).
Zone 10, 10°—20° S.	...	1022, Tacna for Puerto de Arica.
Zone 11, 20°—30° S.	...	1160, Cue for Peak Hill.

Changes in site have been made at the following stations :—

Zone 5, 40°—30° N.	...	536*a*, Colomb Béchar.
		564, Tokyo.
Zone 12, 30°—40° S.	...	1242, East London.
Zone 14, 50°—60° S.	...	1424*a*, Año Nuevo.

The stations shown below have been closed and have consequently been deleted :—

Zone 3, 60°—50° N.	...	371, Attu Island.
Zone 11, 20°—30° S.	...	1142, Pretoria (Bulawayo substituted in 1919).

Data for the following stations are missing :—

Zone 1, 80°—70° N.	...	123, Inglefield Bay.
Zone 2, 70°—60° N.	...	244, Petrozavodsk.
		263, Verkhoïansk.
Zone 3, 60°—50° N.	...	301, Atka.
		351, Akmolinsk.
		359, Tchita.
		360, Nertchinskii Zavod.
		365, Nikolaevsk-sur-Amour.
Zone 4, 50°—40° N.	...	446, Astrakhan.
		451, Narynskoe.
Zone 10, 10°—20° S.	...	1030, Aracaju.

The total number of stations utilised was 452 as against 439 in 1921.

INTRODUCTION TO THE TABLES OF THE RÉSEAU MONDIAL FOR THE YEAR 1922.

Subdivision of the Globe and numbering of Stations.—In order to facilitate the grouping of the information, the surface of the globe is divided into zones each covering ten degrees of latitude. These zones are numbered consecutively from north to south, the number 1 being assigned to the zone extending from latitude 80° N. to latitude 70° N., the northernmost one for which information is available. The southernmost zone in the southern hemisphere for which observations are available, that extending from latitude 60° S. to latitude 70° S., accordingly becomes zone No. 15.

An identification number is assigned to each station. The first one or two digits in this number specify the zone to which the station belongs, and the last two digits indicate its position in longitude. For the latter purpose the zones are subdivided into 36 " squares," each extending over ten degrees of longitude, and two station numbers are assigned to each square. The enumeration of the stations starts from longitude 180° west of the meridian of Greenwich and proceeds eastward. A few examples will make the system clear. Station numbers 101 and 102 refer to the stations in zone 1 (i.e. between latitude 80° N. and 70° N.) between longitude 180° W. and 170° W. ; station numbers 335 and 336 to the stations in zone 3 (60° N. to 50° N.) between longitude 10° W. and 0° ; station numbers 1147 and 1148 to the stations in zone 11 (latitude 20° S. to 30° S.) between longitude 50° E. and 60° E., i.e. to the Indian Ocean. In cases where it has been found desirable to give data for more than two stations in one " square " the additional stations are distinguished by adding the letter " *a* " to the numbers appropriate to the square. For zone 6 between longitude 100° W. and 90° W. it was considered desirable to give data for the two Indian stations Cherrapunji and Gauhati, representing conditions at high and low levels, the mountain station Cherrapunji being indicated by the addition of the letter " *m* " to the number appropriate to Gauhati.

In the monthly tables the data are arranged by zones, and within each zone, in the order of the identification numbers of the stations.

Units.—Absolute units related to the metric system are employed throughout. The scale on which temperatures are recorded in the Réseau Mondial is such that the freezing point of water under atmospheric pressure is 273*a* precisely. Other temperatures differ by 273·0 from readings on the Centigrade scale. Conversion tables, showing the relation of these units to the units more commonly in use, will be found on pp. xvi to xviii of the Réseau Mondial for 1914.

Authorities.—The data have been transcribed in most cases from the publications of the various meteorological institutes received in the Library of the Meteorological Office. Particulars of the sources from which they have been taken will be found in the *Table showing the Authorities for the Meteorology of the Globe,* printed at the end of the volume. In many cases the volumes for 1922 have not yet been issued and the data have therefore been taken from advance manuscript copies supplied by the courtesy of the Directors concerned, whose valued co-operation is hereby acknowledged. The data for some stations in the British Colonies have been transcribed from manuscript returns received in the Meteorological Office, and have not yet been published elsewhere. The majority of the stations for which information is given are under the control of government meteorological services ; it is therefore assumed that the recognised conventions regarding the instruments and their exposure have been followed. In the case of other stations information on these points is sometimes lacking, but no observations have been included that are known to be faulty in this respect. The positions of stations, their heights above sea-level and the spelling of names, have been taken from the official meteorological

publications, if given, but in some cases it has been necessary to complete this information from other sources. For certain stations re-determined heights adopted in *World Weather Records* have been substituted for heights previously published.

In the tables for 1918 the symbol $\mathfrak{T}$ was introduced to signify the true, or 24-hour, mean temperature. The letters *a, b, c,* etc., have replaced the symbols used in the volume for 1917 as references to the notes at the end of the Table of Authorities.

Height above Sea Level.—Particulars of the datum used in the European countries when specifying heights above sea level will be found in the Introduction to the volume of Tables for 1914.

Normals.—Wherever possible the departures from normal of the monthly values of mean pressure, mean temperature and precipitation, are given. It has not been possible to employ homogeneous series throughout. In all cases an endeavour is made to secure that the normals are based on the same combination of values as the current data, or a comparable one. The years to which the normals refer are given in the *Table showing the Authorities for the Meteorology of the Globe* at the end of the volume.

Pressure.—The tables provide space for the entries of mean monthly pressure both at station level and at mean sea level. If the values at sea level are not given in the publication from which the data have been transcribed, they have been computed in the Meteorological Office for stations not exceeding 2,000 metres in altitude, for which the height above sea level was accurately known. The reduction is based on an expansion of the formula $p_0 = pe^{\frac{z}{KT}}$ and assumes that the temperature decreases upwards at the rate of 0·5° C. per 100 metres and that the average relative humidity of the air column between the station and sea-level is 50 per cent. The monthly means of pressure are based by preference on hourly values, but when such are not available, combinations of observations at fixed hours have been used. Particulars of the combination adopted at each station are given in the *Table showing the Authorities for the Meteorology of the Globe* under the heading " Remarks." Table I (p. vii) gives for certain stations the correction required to reduce the means computed in this way to the means computed from hourly observations. In cases in which it is possible to give values both for station level and for sea level, the differences from normal refer to the latter, except at the stations to which the suffix " q " is given in the list of Authorities, for which the differences from normal refer to station level.

Temperature.—The monthly tables include the means of the daily readings of maximum and minimum thermometers, the highest reading of the maximum and the lowest reading of the minimum thermometer, the mean temperature obtained from the mean maximum and mean minimum, and a column giving the observed or deduced mean of 24 hourly values per day.

The column headed " 24 hr. mean " contains : in Roman type, means based on at least six equally-spaced observations each day : in *italic* type, either (a) means based on observations at one or more fixed hours, with or without an appropriate correction ; or (b) means obtained by applying an appropriate correction to the mean of the mean daily maximum and mean daily minimum. The methods by which these figures in italics have been deduced are in all cases set out in the Table of Authorities in the column headed " Remarks " pp. 105—114.

Precipitation.—The term precipitation includes rain, snow, hail and (if of measurable amount) dew. The solid precipitates are measured by the depth of water they yield or are computed to yield when melted.

Wind.—No information regarding wind is included in the general tables, but at the end of each monthly section daily observations of wind are given for selected

stations in the tropics. At the foot of these tables the Resultant Direction and the "Constancy" are given. No account is taken of wind *strength* in computing these quantities; each observation of direction is regarded as a unit vector and the *resultant direction* is obtained by compounding the unit vectors. The "*constancy*" is represented by 100 times the ratio of the vector sum of the unit vectors to the number of observations (calms included). Direction is specified by the azimuth of the point *from* which the wind is blowing, and is measured in degrees from north through east.

State of Ice in the Arctic Seas.—The statistical information given for each month is supplemented by notes on the state of the ice in the Arctic Seas and in the North Atlantic Ocean.

Bibliography of the Meteorology of the Globe.—A bibliography will be found on page xv of the Réseau Mondial 1914.

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 1.													
Barrow, ½ (7+19) (5)	+0·2	+0·2	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1
Gaasefiord and Godthaab for Upernivik, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Spitsbergen, ⅓ (8+14+19) (1) ..	..	..	..	..	..	..	0·0	0·0	0·0	0·0	−0·1	0·0	..
Gjesvaer, ½ (8+13+19) (20)	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Gjesvaer and Vardo for Mehavn, ⅓ (8+14+19) (20)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Vardo, ⅓ (8+13+19) (20)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	0·0
Malye Karmakouly, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Waigatz, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Zone 2.													
Sitka for Nome, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana *and* Valdez, ½ (7+19) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Tanana, ½ (7+18) (8) ..	..	..	..	..	..	..	..	..	..	..	..	+0·1	..
Sitka for Eagle, ½ (8+18) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	..	..	..	..
Sitka for Eagle, ½ (8+17) (8)	..	..	..	..	..	..	..	..	..	..	..	..	..
Sitka for Eagle, ½ (8+16) (8)	..	..	..	..	..	..	..	..	..	..	+0·1	..	..
Godthaab, *and for* Jacobshavn, ⅓ (8+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Godthaab for Ivigtut, ⅓ (8+15+21) (1)	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Angmagsalik, ⅓ (8+14+21) (1) ..	+0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	−0·1
Bergen, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Aalesund, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1
Trondhjem, ⅓ (8+14+19) (20) ..	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Bodö, ⅓ (8+14+19) (20)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Helsingfors, *and for* Kuopio, ⅓ (7+14+21) (8)	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kola, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Arkhangelsk, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Mezen, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Oust-Tsylma, ⅓ (7+13+21) (1) ..	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Tcherdyn, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Berezov, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Obdorsk, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Sourgout, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Doudinka, ⅓ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Touroukhansk, ⅓ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Iakoutsk, ⅓ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Zone 3.													
Sitka for St. Paul Is., ½ (6+18) (8) ..	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Dutch Harbor, ½ (6+18) (8)	+0·1	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka for Kodiak, ½ (7+19) (8) ..	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka, ½ (8+20) (8)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Sitka and Victoria for Prince Rupert, ½ (5+17) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria for Kamloops, ½ (4½+16½) (1)	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Victoria and Moose Jaw for Calgary, ½ (5½+17½) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·1	+0·2
Fort Confidence and Moose Jaw for Fort Chipewyan, ½ (8+18) (1) ..	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	0·0
Moose Jaw for Prince Albert *and* Qu'Appelle, ½ (6+18) (1)	+0·3	+0·2	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·2	+0·3	+0·3	+0·3	+0·2
Moose Jaw and Winnipeg for Minnedosa, ½ (7+19) (1)	+0·2	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	0·0	0·0	0·0	0·0	+0·1	0·0
Fort Churchill for Port Nelson, ½ (7¾+18¼) (1)	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·2	+0·1	+0·1	−0·1	−0·2	−0·2	0·0
Le Pas and Fredericton for Fort Hope, ½ (9+21) (1)..	−0·1	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·2	−0·2
Le Pas and Fredericton for Moose Factory, ½ (9+14+19) (1)	+0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0
Hamburg, ⅓ (8+14+20) (1)	+0·1	+0·1	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Hamburg and Uppsala for Copenhagen, ⅓ (8+14+21) (2)	+0·1	−0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 3—continued.													
Warsaw, $\frac{1}{3}$ (7+13+21) (11)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Petrograd, $\frac{1}{3}$ (7+13+21) (2)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0
Kiiv, $\frac{1}{3}$ (7+13+21) (1)	+0·1	+0·3	0·0	−0·1	−0·4	−0·4	−0·3	−0·3	−0·1	−0·2	+0·1	+0·1	−0·1
Moscow, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Saratov, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Kazan, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Orenburg, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	−0·1
Perm, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0
Sverdlovsk, $\frac{1}{3}$ (7+13+21) (1) ..	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0	+0·1	0·0
Tobolsk, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0
Omsk, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Barnaoul, $\frac{1}{3}$ (7+13+21) (2)	0·0	0·0	0·0	−0·1	−0·1	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0
Tomsk, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Minousinsk, $\frac{1}{3}$ (7+13+21) (1) ..	0·0	0·0	0·0	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0
Eniseisk, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Irkutsk, $\frac{1}{3}$ (7+13+21) (2)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	+0·1	−0·1
Kirensk, $\frac{1}{3}$ (7+13+21) (1)	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	−0·1
Tygan Ourkan, $\frac{1}{3}$ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Blagovyeshchensk, $\frac{1}{3}$ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Zone 4.													
Winnipeg, *and for* Port Arthur, $\frac{1}{3}$ (7+14+19) (1)	0·0	+0·1	+0·1	+0·1	+0·1	0·0	0·0	+0·1	+0·1	0·0	0·0	0·0	0·0
New York, $\frac{1}{3}$ (7+14+21) (1)	+0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
St. John, N.B., $\frac{1}{3}$ (9+15+21) (1) ..	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0
Madrid, $\frac{1}{3}$ (7+13+18) (1)	+0·1	+0·2	+0·4	+0·6	+0·5	+0·4	+0·4	+0·4	+0·3	+0·2	+0·1	0·0	+0·3
Nice for Marseille, $\frac{1}{6}$ (7+10+12+16+18+22) (16)	0·0	−0·1	−0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Rome, $\frac{1}{3}$ (9+15+21) (3)	−0·3	−0·3	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·3	−0·3	−0·2	−0·2
O-Gyalla for Budapest, $\frac{1}{3}$ (7+14+21) (1)	+0·1	+0·1	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0
Bucharest for Sofia, $\frac{1}{3}$ (7+14+21) (1) ..	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·1	0·0
Odessa, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·1	0·0
Kharkiv, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1
Novorossiisk, $\frac{1}{3}$ (7+13+21) (1) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	0·0	0·0	0·0	−0·1
Fort Alexandrovsk, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1	0·0	0·0	−0·1
Krasnovodsk, $\frac{1}{3}$ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	0·0	−0·1
Kasalinsk, $\frac{1}{3}$ (7+13+21) (1)	0·0	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	−0·1
Tachkent, $\frac{1}{3}$ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·3	−0·2	−0·1	0·0	0·0	−0·1
Alma Ata, $\frac{1}{3}$ (7+13+21) (1)	0·0	−0·1	−0·1	−0·2	−0·3	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Vladivostok, $\frac{1}{3}$ (7+13+21) (1) ..	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·1	0·0	0·0	0·0	−0·1
Zone 5.													
Madeira (Funchal), $\frac{1}{3}$ (9+15+21) (1) ..	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·2	−0·2	−0·2	−0·1	−0·1	−0·1	−0·1
Lisbon, $\frac{1}{3}$ (9+15+21) (4)	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·2	−0·1	−0·2	−0·2	−0·2	−0·1	−0·2
Lisbon for Gibraltar, $\frac{1}{3}$ (7+13+21) (4)	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·3	−0·2	−0·1	−0·1	0·0	−0·1
Bouzaréah for Melilla, $\frac{1}{2}$ (8+16) (1) ..	+0·2	+0·2	+0·2	+0·1	+0·1	0·0	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	+0·1
Palma, $\frac{1}{3}$ (8+13+18) (1)	0·0	0·0	0·0	+0·1	+0·1	0·0	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1
Metlaoui for Tunis, $\frac{1}{3}$ (7+13+19) (1) ..	0·0	+0·1	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	0·0	0·0	−0·1	0·0	+0·1
Metlaoui for Malta, $\frac{1}{3}$ (7+18) (1) ..	+0·3	+0·3	+0·4	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·4	+0·3	+0·3	+0·4
Naples for Riposto, $\frac{1}{3}$ (9+15+21) (2) ..	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1
Alexandria, $\frac{1}{3}$ (8+14+20) (18) ..	0·0	0·0	0·0	0·0	0·0	0·0	0·0	−0·1	0·0	−0·1	−0·1	0·0	0·0
Athens and Cairo for Nicosia, $\frac{1}{2}$ (8+15) (1)	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2
Baghdad, 8 h. (17)	−0·4	−0·6	−0·7	−0·7	−0·8	−0·9	−1·1	−1·2	−1·1	−1·0	−0·8	−0·5	−0·8
Lenkoran, $\frac{1}{3}$ (7+13+21) (1)	+0·1	0·0	−0·1	−0·1	−0·2	−0·2	−0·2	−0·2	−0·2	0·0	0·0	+0·1	−0·1
Quetta, 8 h. (6)	−0·9	−0·9	−1·1	−1·2	−1·2	−1·4	−1·3	−1·2	−1·4	−1·5	−1·4	−1·1	−1·2
Peshawar, 8 h. (6)	−0·9	−1·1	−1·2	−1·4	−1·8	−2·1	−2·0	−1·9	−1·8	−1·8	−1·5	−1·0	−1·6
Lahore, 8 h. (6)	−0·7	−0·6	−1·0	−1·2	−1·3	−1·6	−1·3	−1·5	−1·4	−1·4	−1·0	−0·9	−1·1
Simla, 8 h. (6)	−0·2	−0·2	−0·2	−0·4	−0·6	−0·5	−0·5	−0·4	−0·5	−0·5	−0·6	−0·4	−0·4
Leh, 8 h. (6)	−1·0	−0·9	−1·4	−1·3	−1·3	−1·6	−1·8	−1·7	−1·9	−1·7	−1·5	−1·2	−1·5
Zi-Ka-Wei for Hankow, $\frac{1}{3}$ (6+14+22) (7)	+0·3	+0·2	+0·2	+0·1	0·0	0·0	−0·1	0·0	0·0	+0·2	+0·2	+0·3	+0·1
Pekin for Tientsin, $\frac{1}{3}$ (6+14+22) (8) ..	+0·3	+0·3	+0·1	0·0	−0·1	−0·1	−0·1	0·0	0·0	+0·1	+0·2	+0·3	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 6.													
Mexico for La Paz, Chihuahua, Leon, Monterry *and* Tulancingo, $\frac{1}{3}$ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Nassau, Bahamas, $\frac{1}{2}$ (8+15) (1) ..	+0·1	+0·1	0·0	+0·1	0·0	+0·1	+0·2	+0·2	+0·2	+0·1	+0·2	+0·1	+0·1
Izaña, $\frac{1}{3}$ (7+12+18) (19)	−0·1	−0·1	−0·1	0·0	−0·1	0·0	−0·1	0·0	0·0	0·0	0·0	−0·1	−0·1
Cairo, $\frac{1}{3}$ (8+14+20) (21)	+0·1	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Aswan, $\frac{1}{3}$ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Khartoum and Cairo for Tor, $\frac{1}{3}$ (8+14+20) (18)	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0
Bushire, 8 h. (6)	−0·8	−0·8	−0·9	−0·7	−0·8	−0·6	−0·5	−0·5	−0·7	−0·9	−1·0	−0·9	−0·7
Jask, 8 h. (6)	−1·2	−1·1	−1·1	−1·0	−1·0	−0·8	−0·6	−0·8	−1·0	−1·1	−1·3	−1·2	−1·0
Karachi, 8 h. (6)	−1·5	−1·5	−1·4	−1·3	−1·3	−0·9	−0·8	−1·0	−1·2	−1·4	−1·5	−1·5	−1·3
Jacobabad, 8 h. (6)	−1·1	−1·3	−1·7	−1·7	−1·8	−1·7	−1·5	−1·4	−1·5	−1·4	−1·4	−1·5	−1·5
Jaipur, 8 h. (6)	−1·1	−1·2	−1·5	−1·6	−1·8	−1·6	−1·2	−1·2	−1·4	−1·6	−1·3	−1·3	−1·4
Nagpur, 8 h. (6)	−1·7	−1·9	−2·1	−2·3	−2·2	−1·4	−1·2	−1·2	−1·5	−1·7	−1·8	−1·7	−1·7
Allahabad, 8 h. (6)	−1·5	−1·6	−1·9	−2·0	−1·9	−1·7	−1·2	−1·2	−1·6	−1·7	−1·7	−1·6	−1·6
Darjeeling, 8 h. (6)	−0·3	−0·3	−0·6	−0·8	−0·9	−0·8	−0·6	−0·6	−0·8	−0·8	−0·7	−0·5	−0·6
Calcutta, 8 h. (6)	−1·6	−1·6	−1·7	−1·8	−1·5	−1·1	−0·9	−1·0	−1·2	−1·6	−1·7	−1·7	−1·5
Dinajpur and Sibsagar for Gauhati, 8 h. (6)	−1·7	−1·6	−1·9	−2·0	−1·8	−1·4	−1·4	−1·5	−1·6	−1·8	−1·9	−1·8	−1·7
Akyab, 8 h. (6)	−1·5	−1·5	−1·6	−1·7	−1·1	−0·8	−0·8	−0·9	−1·2	−1·4	−1·3	−1·5	−1·3
Mandalay, 8 h. (6)	−1·7	−1·8	−2·1	−2·1	−1·7	−1·4	−1·3	−1·3	−1·6	−1·8	−1·8	−1·8	−1·7
Phu Lien for Moncay, $\frac{1}{2}$ (10+16) (9) ..	−0·3	−0·2	−0·2	−0·1	+0·1	+0·2	+0·2	+0·2	+0·1	−0·1	−0·1	−0·1	0·0
Hongkong for Amoy, $\frac{1}{2}$ (9+18) (13) ..	−0·4	−0·3	−0·2	−0·2	−0·1	0·0	+0·1	+0·1	−0·1	−0·3	−0·4	−0·4	−0·2
Taihoku and Manila for Basco, $\frac{1}{2}$ (6+14) (13)	+0·7	+0·6	+0·5	+0·5	+0·4	+0·4	+0·4	+0·5	+0·6	+0·6	+0·6	+0·7	+0·5
Zone 7.													
Mexico for Colima, Morelia *and* Salina Cruz, $\frac{1}{3}$ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	−0·1	0·0	0·0	+0·2	0·0
Jamaica, $\frac{1}{2}$ (7+15) (12)	+0·5	+0·4	+0·3	+0·2	+0·2	+0·2	+0·3	+0·4	+0·4	+0·4	+0·4	+0·5	+0·4
Port au Prince, $\frac{1}{3}$ (7+13+21) (13) ..	−0·1	−0·2	−0·3	−0·3	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·2	−0·1	−0·2
St. Kitts for Montserrat, $\frac{1}{2}$ (9+15) (13)	−0·3	−0·3	−0·2	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·1
Barbados, $\frac{1}{2}$ (9+15) (13)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	0·0	−0·2	−0·3	−0·1	−0·1	−0·2	0·0
Duala for Kaduna, 9 h. (1)	−1·7	−1·7	−1·8	−1·8	−1·7	−1·6	−1·6	−1·6	−1·8	−1·9	−1·7	−1·7	−1·7
Khartoum *and for* El Obeid, $\frac{1}{3}$ (8+14+20) (18)	−0·1	0·0	0·0	−0·1	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1
Khartoum and Cairo for Port Sudan, $\frac{1}{3}$ (8+14+20) (18)	0·0	0·0	0·0	−0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Aden, 8 h. (6)	−1·6	−1·7	−1·7	−1·5	−1·6	−2·0	−2·1	−2·2	−1·9	−1·4	−1·7	−1·3	−1·8
Bombay, 8 h. (6)	−2·0	−1·9	−2·0	−2·0	−1·8	−1·1	−1·0	−1·2	−1·6	−2·0	−2·2	−2·1	−1·8
Bangalore, 8 h. (6)	−1·7	−1·7	−1·9	−2·1	−1·8	−1·2	−1·0	−1·3	−1·5	−1·7	−1·6	−1·7	−1·6
Madras, 8 h. (6)	−1·5	−1·5	−1·7	−1·7	−1·6	−1·6	−1·5	−1·6	−1·8	−1·7	−1·5	−1·5	−1·6
Vizagapatam, 8 h. (6)	−1·7	−1·6	−1·8	−1·8	−1·7	−1·2	−1·1	−1·2	−1·3	−1·6	−1·6	−1·7	−1·5
Port Blair, 8 h. (6)	−1·3	−1·2	−1·2	−1·3	−1·1	−0·9	−0·8	−0·9	−1·1	−1·2	−1·2	−1·3	−1·1
Rangoon, 8 h. (6)	−1·7	−1·9	−2·1	−2·2	−1·6	−1·0	−1·0	−1·0	−1·3	−1·8	−1·5	−1·8	−1·6
Bolinao, $\frac{1}{2}$ (6+14) (1)	+0·5	+0·5	+0·5	+0·5	+0·5	+0·5	+0·4	+0·5	+0·6	+0·6	+0·6	+0·6	+0·5
Ormoc, $\frac{1}{2}$ (6+14) (1)	+0·7	+0·6	+0·6	+0·7	+0·6	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·7	+0·7
Zone 8.													
Duala and Sansane Mangu for Freetown, Sierra Leone, $\frac{1}{2}$ (9+17) (1) ..	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1	0·0	0·0
Duala for Lagos, 9 h. (1)	−1·7	−1·7	−1·8	..	..	..	..	..	..	..	..	..	..
Duala for Lagos, $\frac{1}{2}$ (9+15) (1) ..	..	..	..	0·0	0·0	0·0	−0·1	−0·1	−0·1	+0·1	+0·2	+0·1	..
Entebbe, $\frac{1}{2}$ (7+14+21) (1)	+0·1	0·0	−0·2	−0·2	−0·2	0·0	+0·1	+0·2	+0·1	−0·2	−0·3	−0·1	−0·1
Cochin, 8 h. (6)	−1·9	−1·8	−1·8	−1·6	−1·2	−0·7	−0·7	−0·9	−1·2	−1·4	−1·6	−1·8	−1·4
Colombo, $\frac{1}{2}$ ($9\frac{1}{2}$+$15\frac{1}{2}$) (6)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·2	+0·1	+0·2
Trincomalee, $\frac{1}{2}$ ($9\frac{1}{2}$+$15\frac{1}{2}$) (6)	−0·1	−0·1	0·0	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·1	0·0	+0·2
Singapore, *and for* Penang, $\frac{1}{3}$ (9+15+21) (2)	−0·2	−0·2	−0·2	−0·3	−0·2	−0·2	−0·2	−0·2	−0·2	−0·3	−0·2	−0·3	−0·2
Manila for Iwahig, $\frac{1}{2}$ (6+14) (13) ..	+0·7	+0·6	+0·6	+0·6	+0·6	+0·5	+0·5	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6
Zone 9.													
Malden Island, 9 h. (1)	−1·4	−1·4	−1·6	−1·6	−1·6	−1·2	−1·5	−1·5	−1·6	−1·6	−1·4	−1·3	−1·5
Quixeramobim, *and for* Turyassu *and* Barra do Corda, $\frac{1}{3}$ (7+14+21) (1) ..	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	+0·1	+0·1
Zanzibar, 8 h. (6)	−2·1	−2·1	−1·6	−1·3	−1·1	−1·1	−1·1	−1·3	−1·6	−1·5	−1·6	−1·5	−1·5
Ocean Island, $\frac{1}{2}$ (8+20) (1)	−0·9	−0·9	−1·0	−0·9	−0·8	−0·7	−0·6	−0·7	−0·7	−0·8	−0·7	−0·8	−0·8

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.	mb.
Zone 10.													
St. Helena, 9 h. (1)	−1·2	−1·2	−1·3	−1·3	−1·3	−1·1	−1·1	−1·1	−1·0	−1·1	−1·2	−1·2	−1·2
Kimberley and Zomba for Gwelo, 8 h. (1)	−1·6	−1·6	−1·5	−1·4	−1·3	−1·3	−1·3	−1·4	−1·5	−1·6	−1·7	−1·7	−1·5
Zomba, ½ (9+21) (1)	−0·8	−0·8	−0·8	−0·9	−0·9	−0·9	−0·9	−1·0	−1·0	−0·9	−0·9	−0·9	−0·9
Antananarivo, ⅓ (7+13+18) (1)	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Derby, ½ (9+15) (1)	0·0	0·0	0·0	0·0	0·0	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	0·0
Hall's Creek, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·3
Darwin, ½ (9+15) (1)	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	0·0	0·0	−0·1	−0·1	0·0
Daly Waters, ½ (9+15) (1)	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3	+0·3
Mein, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	0·0	0·0	0·0	0·0	+0·1
Georgetown, Queensland, ½ (9+15) (1)	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Apia for Suva, Fiji, 9 h. (10)	−1·2	−1·3	−1·5	−1·4	−1·5	−1·5	−1·4	−1·4	−1·5	−1·4	−1·3	−1·2	−1·4
Zone 11.													
Santiago for Punta Tortuga, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Mollendo for Iquique, ⅓ (7+14+21) (14)	−0·1	−0·1	0·0	0·0	0·0	+0·1	+0·1	0·0	0·0	−0·1	−0·2	−0·1	0·0
Curityba, ⅓ (7+14+21) (13)	−0·2	−0·1	−0·1	0·0	+0·1	−0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	0·0
Kimberley, ⅓ (8+14+20) (15)	0·0	0·0	0·0	0·0	0·0	0·0	+0·1	0·0	0·0	0·0	0·0	0·0	0·0
Bulawayo, 8 h. (1)	−1·3	−1·2	−1·1	−1·0	−1·0	−0·9	−0·9	−1·0	−1·3	−1·4	−1·4	−1·3	−1·1
Onslow, ½ (9+15) (1)	−0·2	−0·2	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·2	−0·1
Nullagine, ½ (9+15) (1)	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1	+0·1	0·0	+0·1
Laverton, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3	+0·3
Alice Springs, ½ (9+15) (1)	+0·6	+0·5	+0·7	+0·7	+0·8	+0·9	+0·9	+1·0	+1·0	+0·9	+0·9	+0·8	+0·8
William Creek, ½ (9+15) (1)	+0·3	+0·3	+0·2	+0·2	+0·3	+0·3	+0·4	+0·4	+0·4	+0·4	+0·4	+0·3	+0·3
Boulia, ½ (9+15) (1)	+0·4	+0·4	+0·5	+0·5	+0·6	+0·6	+0·7	+0·7	+0·7	+0·7	+0·6	+0·5	+0·6
Mitchell, *and for* Thargomindah, ½ (9+15) (1)	0·0	+0·1	+0·1	+0·2	+0·3	+0·3	+0·4	+0·4	+0·5	+0·5	+0·3	+0·2	+0·3
Rockhampton, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Brisbane, ½ (9+15) (1)	−0·2	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·1	−0·1	0·0
Zone 12.													
Valdivia for Punta Tumbes, ⅓ (7+14+21) (1)	0·0	0·0	−0·1	−0·1	−0·1	0·0	0·0	0·0	−0·1	−0·1	−0·1	−0·1	−0·1
Santiago, *and for* Valparaiso, ⅓ (7+14+21) (1)	−0·3	−0·2	−0·2	0·0	0·0	+0·1	+0·1	0·0	−0·1	−0·1	−0·2	−0·3	−0·1
Montevideo, ⅓ (7+14+21) (13)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	+0·1	−0·1	−0·1	−0·1	−0·2	0·0
Cape Town for Danger Point, Riversdale *and* East London, 8½ h. (2)	−0·5	−0·6	−0·7	−0·7	−0·7	−0·7	−0·7	−0·8	−0·8	−0·7	−0·6	−0·5	−0·7
Cape Leeuwin for Perth, ½ (9+15) (1)	−0·2	−0·3	−0·1	0·0	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·2	−0·2	−0·1
Breaksea Island for Katanning, ½ (9+15) (1)	0·0	0·0	0·0	0·0	+0·1	+0·2	+0·1	+0·2	0·0	+0·1	+0·1	0·0	+0·1
Coolgardie, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·3	+0·3	+0·3	+0·3	+0·2	+0·2	+0·2
Eucla, ½ (9+15) (1)	+0·1	+0·1	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·3	+0·3	+0·2	+0·2	+0·2
Streaky Bay, ½ (9+15) (1)	+0·1	+0·1	0·0	0·0	0·0	+0·1	+0·1	+0·1	+0·2	+0·2	+0·2	+0·1	+0·1
Adelaide, ½ (9+15) (1)	0·0	0·0	−0·1	−0·1	0·0	0·0	+0·1	+0·1	+0·2	+0·2	+0·1	+0·1	0·0
Bourke, 9 h. (1)	−1·2	−1·1	−1·2	−1·1	−0·9	−0·8	−0·7	−0·8	−1·0	−1·0	−1·0	−1·1	−1·0
Sydney, ½ (9+15) (1)	+0·1	0·0	−0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1	+0·1
Zone 13.													
Santiago and Punta Arenas for Isla Guafo *and* Punta Galera, ⅓ (7+14+21) (1)	−0·3	−0·1	−0·1	0·0	+0·1	+0·1	+0·1	0·0	−0·1	−0·1	−0·1	−0·3	−0·1
Hobart, *and for* Launceston, ½ (9+15) (1)	+0·2	+0·2	+0·2	+0·1	0·0	+0·1	+0·2	+0·1	+0·1	+0·2	+0·3	+0·3	+0·2
Zone 14.													
Punta Arenas, *and for* Islota de los Evangelistas *and* Punta Dungeness, ⅓ (7+14+21) (1)	−0·1	−0·1	−0·1	0·0	+0·1	+0·1	+0·2	+0·1	0·0	0·0	0·0	−0·1	0·0
South Georgia, ⅓ (8+14+20) (1)	0·0	+0·1	0·0	−0·1	−0·1	+0·2	+0·2	+0·2	+0·1	0·0	0·0	+0·1	+0·1

TABLE I.—*Corrections to reduce Means of Pressure at various hours or combinations of hours to True Mean*—continued.

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(4) Lima, A., *O clima de Portugal Continental*, 1922.

(5) Washington, *Report of the International Polar Expedition to Point Barrow, Alaska*, 1885.

(6) *Indian Meteorological Memoirs*, vol. xvii.

(7) Zi-Ka-Wei, *Bulletin des Observations*, 1910.

(8) Rykatchew, M., *La marche diurne du baromètre en Russie*, 1879.

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(12) Kingston, Jamaica (Weather Office), No. 553. *Meteor. results of barometer pressure, temperature, &c.* Jamaica, 1923.

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(15) Sutton, J. R., *Diurnal Variation of Barometric Pressure*, 1907.

(16) Angot, A., *Etude sur le climat de la France. Pression atmosphérique.* Paris, Ann. bur. centr. météor., *Annales*, 1906, part i, p. 83.

(17) Eredia, F., *Sul clima di Bagdad.* Rome, 1917.

(18) Corrections supplied by Cairo, Phys. Dept.

(19) Madrid, *Anuario del Obs.*, Tomo III., Suppl. 3, p. 4.

(20) Christiania, *Jahrb. d. Norweg. Meteor. Instituts*, 1891, p. xiii.

(21) Cairo, Phys. Dept., *Climatological normals for Egypt and the Sudan, Candia, Cyprus and Abyssinia*, Cairo, 1922.

ADDITIONS AND CORRECTIONS, 1914–1922.

1914–15; '21–22:—

531. *Horta*, 532. *Ponta Delgada*. January to December, Year, Pressure: Station level values require a correction of −0·6 mb., −0·7 mb. (Gravity correction) for Horta and Ponta Delgada respectively. The values reduced to Mean Sea Level are correct.

1917–1921:—

720. *Belize*. Table of Authorities: Remarks:—*for* 8h, 75th meridian time *read* 6h, 90th meridian time.

1918–1920:—

443. *Odessa*. Data refer to the Magn. and Meteor. Observatory and not to the University. Co-ordinates are correct for the former station.

1921:—

Blue Cover. After the words "Latitude and Longitude," *add* "and of Pressure, Sea Temperature and Air Temperature over selected areas of the sea."

227. *Ivigtut*. Height *should read* 13·0 m. from November. Pressure at M.S.L. and difference from normal.
Nov. *for* 1000·6: —2·4 *read* 1001·7: —1·3
Dec. *for* 995·8: —3·3 *read* 996·8: —2·3
Year *for* 1003·0: —2·5 *read* 1003·2: —2·3
Delete pressure at Station Level for the year.

309. *Sitka*. Table of Authorities: Remarks *should read* $\mathbb{T}$ derived from $\frac{1}{4}(8+20+M+m)$.

533. *Madeira* (*Funchal*). Table of Authorities: Period of Normals *should read* **P**, $\mathbb{T}$, **R**, 1880–1920.

536a. *Colomb Béchar*. Longitude: *for* 4° 6′ W. *read* 1° 46′ W.

633. *Izaña*. Table of Authorities: Remarks *should read* $\mathbf{P} = \frac{1}{3}(7+12+18)$. $\mathbb{T}$ derived from these hours.

836. *Accra*.
843a. *Mongalla*.
853. *Nuwara Elija*. } Table of Authorities: Authority for Current Data:—*for* .. *read* "Do. do."
854. *Trincomalee*.
856. *Medan*.

856. *Medan*. $\mathbb{T}$, January *should be* in Roman type not *italics*.

1021. *Arequipa*. Table of Authorities: Remarks *should read* q $\mathbf{P} = \frac{1}{2}(8+20)$. $\mathbb{T}$ derived from these hours.

1266. *Bourke*. Height: *for* 111 m. *read* 110 m.

1922:—

621. *Nassau, Bahamas*. Height *should read* 7·3 m. throughout.

731. *São Vicente, C. Verde Is.* January to April, Year, Temperature: Delete mean minimum, absolute minimum and date and $\frac{1}{2}(M+m)$.
$\mathbb{T}$ and difference from normal:—
Jan. *for* 293·7: —1·0 *read* 294·6: —0·1 Mar. *for* 293·4: —1·0 *read* 294·6: +0·2
Feb. *for* 293·3: —1·0 *read* 294·2: —0·1 April *for* 294·5: —0·5 *read* 295·4: +0·4
Year *for* 296·0: −0·5 *read* 296·7: +0·2
Table of Authorities: Remarks *should read* $\mathbb{T}$ (Jan. to April, Yr.) corrected to $\frac{1}{4}(9+21+M+m)$.

1911-1921.

1035. *St. Helena*. Height 1911–21 *should read* 1,980 ft. (604 m.).

Pressure at M.S.L. *should read*:—

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1911	mb.	1013·4	1013·1	1013·7	1014·3	1015·2	1017·4	1019·5	1019·6	1019·2	1016·8	1014·0	1013·7	1015·9
12	mb.	1013·0	1013·5	1013·2	1014·3	1016·3	1018·1	1018·1	1016·8	1017·6	1016·3	1016·3	1014·7	1015·7
13	mb.	1013·4	1012·7	1012·9	1012·4	1013·1	1016·8	1018·2	1018·1	1017·3	1016·3	1014·9	1013·9	1015·0
14	mb.	1012·9	1014·0	1014·0	1014·4	1016·0	1018·2	1018·4	1018·3	1018·4	1014·3	1013·8	1013·7	1015·5
15	mb.	1012·3	1012·6	1012·7	1015·1	1014·4	1014·2	1017·1	1017·5	1017·4	1016·9	1015·0	1014·2	1015·0
16	mb.	1013·0	1012·6	1012·7	1013·3	1014·2	1014·9	1014·9	1016·1	1017·7	1016·6	1014·3	1014·2	1014·5
17	mb.	1013·9	1013·9	1012·3	1012·6	1014·2	1016·6	1017·3	1015·6	1017·1	1015·8	1014·6	1013·5	1014·8
18	mb.	1014·3	1013·2	1012·6	1014·7	1016·5	1016·9	1018·1	1018·2	1017·4	1015·2	1014·2	1013·4	1015·4
19	mb.	1013·8	1013·9	1014·2	1014·2	1014·7	1017·2	1018·6	1018·8	1016·5	1015·3	1014·7	1014·0	1015·5
20	mb.	1013·1	1013·3	1014·3	1015·2	1014·4	1017·0	1019·1	1017·2	1016·8	1016·5	1016·2	1014·6	1015·6
21	mb.	1016·3	1015·1	1015·0	1013·7	1014·3	1014·6	1018·7	1018·7	1018·1	1017·3	1017·8	1016·6	1016·4

1921.

633. *Izaña*. True mean temperature *should read*:—

1921	a.	*277·7*	*274·9*	*275·5*	*279·0*	*279·3*	*286·0*	*290·2*	*290·1*	*285·7*	*281·4*	*277·3*	*275·5*	*281·0*

743a. *Khartoum*. True mean temperature and difference from normal *should read*:—

1921	a.	*294·7*	*295·2*	*298·5*	*306·1*	*306·2*	*306·6*	*304·4*	*302·3*	*304·2*	*304·4*	*300·6*	*298·7*	*301·8*
	Diff. a.	−0·8	−1·8	−1·7	+1·9	−0·4	−0·5	−0·6	−1·7	−0·6	−0·2	−0·2	+2·0	−0·4

Page x. Zone 5, *Palma*. Corrections to reduce means of pressure to true mean *should read*:—

$\frac{1}{3}(8+13+18)$ (1)		0·0	0·0	0·0	+0·1	+0·1	0·0	−0·2	−0·1	−0·1	−0·2	−0·2	−0·1	−0·1

1921-1922.

448. *Krasnovodsk*. Height *should read* −4·6 m. throughout.

Pressure at M.S.L. and differences from normal *should read*:—

1921	M.S.L. mb.	..	..	..	1015·2	1015·7	1007·8	..	1010·6	1014·2	1018·9	1023·6	1018·6	..
	Diff.	..	..	..	−0·2	+1·8	−2·3	..	+0·5	−1·1	−1·6	+1·9	−3·6	..
1922	M.S.L. mb.	1019·4	1017·2	1018·6	1013·8	1015·7	1009·5	1007·5	1009·3	1014·3	1018·2	1019·4	1020·1	1015·2
	Diff.	−2·3	−3·7	+0·2	−1·6	+1·8	−0·6	−0·5	−0·8	−1·0	−2·3	−2·3	−2·1	−1·3

1922.

619. *Merida, Yuc.* Pressure values at Station Level and M.S.L. require a correction of −1·9 mb.(Gravity correction).

Pressure differences from normal *should read*:—

1922	Diff. mb.	−1·1	0·0	−0·2	−0·1	−1·1	+0·8	+1·2	−1·2	−0·8	−2·4	−0·9	+0·1	−0·6

1267. *Sydney*. *Insert* True mean temperature:—

1922	a.	*294·4*	*295·1*	*293·8*	*292·9*	*288·1*	*285·4*	*284·5*	*285·4*	*287·9*	*291·4*	*293·0*	*295·2*	*290·6*

Table of Authorities: Remarks, *insert* $\mathbb{T} = \frac{1}{4}(9+15+21+m)$.

		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.

ADDITIONS AND CORRECTIONS—*continued.*

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
823	Ciudad Bolivar . . .	8 9N	63 33W	38														
	1921.																	
	January . . .	..	..	..	..	..	..	304·2	306·1	30th	293·2	291·6	29th	298·7	*298·0*	..	0	— 13
	February . . .	..	..	..	..	..	..	305·1	306·8	22nd	293·2	291·8	2, 6, 13	299·2	*298·4*	..	2	— 3
	March . . .	..	..	..	..	..	..	305·6	307·4	30th	293·6	292·5	1st	299·6	*298·8*	..	7	+ 2
	April . . .	..	..	..	..	..	..	305·5	307·6	7th	295·1	293·0	5th, 6th	300·3	*299·6*	..	32	+ 10
	May . . .	..	..	..	..	..	..	307·5	308·1	7th	295·7	294·6	18th	301·6	*300·8*	..	2	— 67
	June . . .	..	..	..	..	..	..	304·3	307·6	1st, 4th	295·0	293·8	24th	299·6	*299·0*	..	278	+143
	July . . .	..	..	..	..	..	..	303·5	306·2	26th	294·8	293·0	8th	299·1	*298·5*	..	326	+101
	August . . .	..	..	..	..	..	..	304·7	306·0	20th	296·0	293·7	10th	300·4	*299·8*	..	74	— 50
	September . . .	..	..	..	..	..	..	306·1	307·7	29th	297·3	295·8	10th	301·7	*301·1*	..	6	+ 80
	October . . .	..	..	..	..	..	..	305·3	307·7	1st	297·0	294·3	12th	301·1	*300·6*	..	171	— 35
	November . . .	..	..	..	..	..	..	304·9	306·8	1st	296·8	296·0	20th	300·8	*300·3*	..	52	— 54
	December . . .	..	..	..	..	..	..	304·0	308·0	6th	296·3	294·6	18th	300·1	*299·6*	..	25	+ 67
	Year . . .	..	..	..	..	..	..	305·1	308·1	May 7	295·3	291·6	Jan. 29	300·2	*299·6*	..	975	
967	Rabaul . . .	4 9S	152 12E	20·7														
	1921.																	
	January . . .	..	..	..	..	1006·9	..	304·7	306·9	10th, 12th	295·9	294·1	14th	300·3	*299·7*	0·0	361	— 35
	February . . .	..	..	..	..	1007·3	..	306·4	307·4	16, 22, 26	295·8	294·1	2nd	301·1	*300·4*	+0·8	86	—187
	March . . .	..	..	..	..	1007·4	..	305·9	308·0	12th	295·4	293·0	3rd	300·7	*300·0*	+0·5	140	—122
	April . . .	..	..	..	..	1007·8	..	304·4	307·4	8th	295·6	294·7	sev. dates	300·0	*299·4*	−0·3	413	+109
	May . . .	..	..	..	..	1008·9	..	305·3	306·3	4, 12, 19	295·5	293·6	16th	300·4	*299·8*	−0·1	124	— 15
	June . . .	..	..	..	..	1009·6	..	305·7	306·9	22nd	294·9	293·8	24, 25, 29	300·3	*299·6*	+0·2	43	— 41
	July . . .	..	..	..	..	1008·7	..	304·9	306·6	7, 12, 17	294·8	293·6	17th, 25th	299·9	*299·3*	0·0	227	+128
	August . . .	..	..	..	..	1009·4	..	305·0	306·9	5th	295·5	294·1	4, 16, 28	300·2	*299·6*	+0·2	51	— 57
	September . . .	..	..	..	..	1009·1	..	305·7	307·4	5th	295·6	294·1	19th	300·7	*300·1*	0·0	182	— 61
	October . . .	..	..	..	..	1009·3	..	306·1	307·2	11, 18, 26	295·7	294·1	4th, 28th	300·9	*300·2*	+0·1	298	+190
	November . . .	..	..	..	..	1008·0	..	305·2	306·6	7th	295·6	293·7	16th	300·4	*299·8*	−0·4	381	+190
	December . . .	..	..	..	..	1007·3	..	305·4	306·5	2nd	295·9	294·7	17th	300·7	*300·1*	+0·1	219	— 22
	Year . . .	..	..	..	..	1008·3	..	305·4	308·0	Mar. 12	295·6	293·0	Mar. 3	300·5	*299·9*	+0·1	2525	+280

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
823	Ciudad Bolivar . . .	Caracas Red Meteor. de Venezuelá, Res de las Observaciones, 1921.	**R**, 1917–26.	d ..
967	Rabaul	MS. data supplied by Meteor. Bureau, Melbourne.	**T**, 1916–27. **R**, 1912; '14–27.	d **P** = ½ (9+15).

* For formulæ employed *see* above. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL, JANUARY 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JANUARY 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. — **JANUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1015·9	..	254·3	273·6	17th, 19th	247·8	237·4	2nd, 3rd	251·1	..	+6·5	3	— 4
123	Inglefield Bay . . .	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik . . .	72 47	56 7	18·9	1003·9	1006·4	+ 0·6	255·1	269·3	23rd	248·4	242·0	9th	251·7	*251·5*	+0·6	0	— 11
125	Jan Mayen . . .	70 59	W 8 18	23·1	1002·8	1005·7	..	..	275·5	23rd	270·4	262·5	1st	..	*272·0*	..	26	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1010·8	1012·3	+ 5·4	..	276·3	15th	264·9	246·0	31st	..	267·4	+12·5	23	— 8
139	Björnöen . . .	74 28	19 15	40·5	1007·5	1012·6	..	..	..	..	270·4	..	..	..	*271·3*	..	19	..
140	Gjesvaer . . .	71 6	25 22	6·5	1014·1	1014·9	+13·5	..	277·1	24th	267·5	260·3	20th	..	*269·6*	+0·3	45	— 12
141	Mehavn . . .	71 1	27 47	4·6	1015·2	1015·8	+14·2	..	277·0	24th	265·9	256·0	21st	..	*268·6*	+0·6	44	— 23
142	Vardö	70 22	31 8	6·8	1016·1	1017·0	+12·2	..	276·8	25th	265·9	254·0	22nd	..	*268·8*	+1·3	29	— 41
143	Malye Karmakouly . .	72 23	52 43	14·8	1020·3	1022·2	+14·5	263·9	272·7	25th	..	..	..	..	*261·4*	+4·9	35	+ 28
147	Waigatz	70 24	58 47	11·2	1021·8	1023·3	+14·6	262·9	270·6	17th	255·2	243·8	3rd	259·0	*259·4*	..	25	..
148	Dickson	73 30	80 23	13	1028·3	1030·1	..	253·5	269·8	16th	247·9	236·6	7th	250·7	..	..	4	..
153		N.	E.															

Between Latitude 70° N. and 60° N. — **JANUARY—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
203	Nome	64 30	165 24	6·7	..	1007·4	− 4·8	262·1	276·3	20th	256·7	238·0	6th	259·4	*259·6*	+3·8	73	+ 46
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1013·9	− 4·6	257·0	271·3	20th	248·8	233·0	6th, 13th	252·9	*253·1*	+6·2	13	— 4
206	Rampart	65 30	150 15	122	..	..	..	254·7	271·3	20th	248·0	231·9	27th	251·3	..	+6·7	17	0
207	Valdez	61 7	146 16	8·2	..	1010·5	+ 2·2	269·9	274·1	12th	263·7	256·3	17th, 20th	266·8	*267·0*	+1·9	131	+ 33
208	Eagle	64 46	141 12	254	..	1016·9	− 2·0	258·9	271·3	3rd	249·8	226·9	28th	254·3	*254·5*	+7·4	10	— 2
209	Dawson	64 4	139 20	328	975·8	1020·2	− 2·5	255·2	269·7	4th	240·3	228·6	28th, 29th	250·8	..	+8·4	29	+ 9
210	Carcross	60 11	134 34	662	..	..	..	266·0	275·2	13th	255·4	238·6	29th	260·7	..	+7·0	10	— 3
211	Fort Good Hope . .	66 15	128 31	65·2	1009·5	1018·9	..	252·4	276·3	18th	242·7	230·8	29th	247·6	..	..	33	+ 15
212	Fort Simpson . . .	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River . . .	60 51	115 57	161	995·6	1017·6	− 1·9	256·7	272·4	19th	246·8	224·1	21st	251·8	..	+5·9	22	+ 9
225	Jacobshavn . . .	69 13	51 2	12·6	1001·0	1002·7	− 0·5	259·6	276·5	22nd	251·3	241·7	9th	255·5	*255·7*	+0·7	13	+ 4
226	Godthaab	64 11	51 43	9·0	994·7	995·9	− 2·4	264·7	276·0	3rd	258·7	251·4	9th, 10th	261·7	*261·7*	−1·5	43	+ 6
227	Ivigtut	61 12	48 10	13·0	995·1	996·8	− 1·1	269·3	281·3	3rd	260·7	251·0	10th	265·0	*264·9*	−0·6	235	+152
229	Angmagsalik . . .	65 37	37 33	31·7	989·4	993·4	− 4·4	271·4	277·5	25th	266·0	255·2	2nd	268·7	*268·4*	+3·8	82	— 2
231	Stykkisholm . . .	65 5	22 46	25**	991·5	994·6	− 2·8	275·6	281·0	23rd	270·6	261·9	3rd	273·1	*273·1*	+2·3	93	+ 22
232	Vestmanno	63 24	20 17	132	979·5	995·7	− 2·6	277·4	281·6	23rd	272·5	265·2	3rd	274·9	*275·1*	+1·3	188	+ 42
233	Grimsey	66 33	18 1	22·0	..	..	..	275·6	279·6	24th	272·1	264·7	1st	273·9	*273·9*	+2·7	..	..
234	Akureyri	65 40	18 5	35	..	997·2	− 3·4	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	997·1	999·3	− 0·7	277·0	285·2	4th	271·8	266·3	10th	274·4	*274·4*	+2·4	362	+236
236	Thorshavn	62 3	6 45	26·3	999·0	1003·1	− 0·7	278·2	281·8	21st	274·4	268·9	4th	276·3	*276·5*	+0·4	108	— 63
237	Lerwick	60 9	W 1 11	46·9	1001·3	1007·3	+ 0·7	277·8	281·3	1st	274·8	270·8	4th	276·3	*276·6*	−0·6	96	— 12
238	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1004·6	1010·2	+ 0·3	275·5	279·5	10th	271·0	267·7	15th	273·3	*273·4*	−1·0	94	— 74
239	Aalesund	62 28	6 10	6·3	1009·1	1009·9	+ 2·4	..	278·5	10th	..	..	..	..	*274·2*	−1·2	76	— 58
240	Trondhjem	63 26	10 25	39·5	1007·0	1012·1	+ 4·2	270·4	276·5	10th	264·7	257·8	31st	267·5	*267·6*	−2·8	46	— 40
241	Bodö	67 17	14 24	22·3	1010·3	1013·1	+ 8·4	..	275·0	24th	267·0	262·0	20th	..	*269·2*	−2·2	5	— 80
242	Haparanda	65 50	24 9	9·2	1016·7	1017·9	+ 8·3	263·7	271·6	9th, 10th	255·8	247·0	8th	259·7	*259·8*	−2·0	26	— 13
242a	Helsingfors	60 10	24 57	11·7	1014·4	1016·0	+ 3·5	267·2	273·6	2nd	262·6	252·9	21st	264·9	265·0	−1·7	46	+ 1
	Kuopio	62 54	27 40	90·3	1005·4	1017·1	+ 3·7	265·2	270·0	9th	259·6	247·4	21st	262·4	*262·7*	−1·0	32	— 14
243	Kola	68 53	33 1	6·7	1018·2	1019·1	+12·1	265·1	276·3	25th	257·5	245·6	18th	261·3	*261·8*	+0·4	13	+ 1
244	Petrozavodsk . . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk . . .	64 34	40 31	6·3	1019·5	1020·3	+ 8·4	265·4	273·9	26th	258·5	245·5	17th	262·0	*262·4*	+2·9	20	— 3
246	Mezen	65 50	44 16	14·9	1019·0	1020·9	+10·1	264·0	274·1	26th	257·5	240·5	17th	261·0	*261·2*	+2·9	32	+ 22
247	Oust-Tsylma . . .	65 25	52 18	? 68	1014·2	1023·4	+12·8	261·1	272·2	7th	253·8	234·1	19th	257·4	*257·6*	+3·1	31	+ 10
248	Tcherdyn	60 24	56 31	?177	1002·8	1026·7	+ 6·8	260·0	271·7	6th	253·8	240·0	19th	256·9	*256·8*	+2·2	28	— 6
249	Berezov	63 56	65 4	39·5	1023·5	1029·0	+14·9	..	268·9	8th	247·1	230·8	18th	..	*250·7*	+1·2	9	— 8
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1026·6	1032·1	+13·3	..	269·9	8th	248·4	230·6	29th	..	*253·5*	+3·6	15	— 2
252	Doudinka	69 23	86 4	20	1032·2	1034·9	+19·5	..	268·4	18th	244·4	234·2	7th	..	*248·0*	+4·7	5	— 1
253	Touroukhansk . . .	65 47	87 57	? 45	1031·0	1037·4	+15·1	..	264·5	19th	241·2	229·8	11th	..	*245·4*	+0·7	11	— 1
254	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	228·1	..	..	*232·3*	−1·7	6	— 3
261	Iakoutsk	62 1	129 43	98	1019·9	1035·1	+ 4·8	..	242·9	28th	222·6	213·7	10th	..	*226·4*	−3·0	3	— 6
262	Verkhoïansk . . .	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263		N.	E.															
271		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
272																		

* For formulæ employed *see* pages 105 and 106. ** **Height changed from 20 m. to 25 m. from January 1st.**
† Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL

JANUARY—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	999·6	− 5·7	271 8	276·9	15, 16, 19	268·4	259·7	11th	270·1	..	+2·4	43	+ 60
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	998·3	− 5·3	276·6	281·3	15th	271·3	263·6	5th	273·9	*273·8*	+1·0	195	+ 60
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	268·6	276·9	17th	261·7	246·3	4th, 5th	265·1	..	+2·4	52	+ 2
306	Kodiak (Radio)	57 46	152 22	6·1	..	1006·4	+ 2·7	275·6	278·6	30th	270·1	260·8	sev. dates	272·9	*273·2*	+1·7	53	− 36
307	55°—50° N. 150°—145 °W.	††51 33	††147 34	§(26)	..	1002·7	− 2·4	..	..	Sea Temp. 278·0 | +0·6	..	..	..	..	277·4	+1·7	..	..
309	Sitka	57 3	135 19	27·4	..	1013·5	+ 4·9	277·4	284·7	11th	271·3	263·6	29th	274·4	*274·1*	+1·5	243	+ 46
310	Prince Rupert	54 18	130 18	51·8	1010·1	1016·6	+ 5·4	276·9	285·8	12th	271·9	263·6	30th	274·4	*274·7*	+1·2	172	+ 34
311	Barkerville	53 2	121 35	1274	866·2	1020·2	+ 4·1	266·9	273·6	8th	258·6	245·2	31st	262·7	*262·9*	−1·4	93	+ 1
312	Kamloops	50 42	120 29	385	979·3	1028·9	+ 5·9	268·6	283·0	9th	261·9	248·6	31st	265·2	*265·5*	−2·7	10	− 15
313	Calgary	51 2	114 2	1045	891·8	1019·4	+ 1·0	271·9	284·7	8th	257·4	240·8	30th	264·7	*263·9*	+2·6	8	− 25
314	Fort Chipewyan	58 42	111 10	218	987·8	1017·6	− 2·7	256·6	267·4	25th	248·1	226·3	22nd	252·3	*252·0*	+3·7	19	− 25
315	Prince Albert	53 10	105 38	442	961·4	1019·6	− 0·4	261·9	278·6	13th	250·8	233·0	23rd	256·3	*255·9*	+3·7	16	− 25
316	Qu'Appelle	50 30	103 47	645	936·9	1020·2	− 0·1	263·0	276·9	13th	251·9	233·0	22nd	257·4	*257·1*	+2·4	11	− 15
317	Minnedosa	50 15	99 50	515	953·4	1021·1	+ 0·3	261·3	273·0	14th	249·7	232·4	23rd	255·5	*255·1*	+1·6	7	− 15
318	Berens River	52 18	97 23	216	..	..	..	258·2	273·6	30th	248·7	233·0	21st	253·4	..	+2·2	15	− 25
318*a*	Port Nelson	57 4	92 36	14·9	1014·9	1016·9	− 0·5	254·1	269·7	28th, 29th	245·8	234·1	21st	249·9	..	+5·8	4	− 25
319	Fort Hope	51 33	87 49	‡260	984·4	1019·6	+ 0·6	257·4	271·3	31st	246·3	234·1	6th, 18th	251·9	*251·6*	+1·1	19	− 25
320	Moose Factory	51 14	80 30	9·1	1017·4	1018·6	+ 2·1	260·2	271·3	9th, 27th	247·4	?234·1	18th	253·8	..	+1·2	5	− 25
321	Fort George	53 50	79 5	97·5	..	..	..	255·6	268·0	8th	243·9	230·8	17th	249·8	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	258·9	267·4	9th	245·0	231·9	3rd	251·9	..	+0·1	30	− 25
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	264·2	271·9	2nd	256·0	241·3	24th	260·1	..	+2·4	79	− 25
326	Belle Isle	51 53	55 23	133	991·2	1008·6	+ 1·7	264·4	274·1	3rd, 13th	256·4	246·9	24th	260·4	*260·7*	+0·3	..	..
333	53°—48° N. 20°—15° W.	††50 37	††17 25	§(62–68)	..	1006·3	..	..	..	Sea Temp. 284·3 | +0·3	..	..	..	..	283·1	..	..	..
333*a*	62°—57° N. 20°—15° W.	††58 12	††17 28	§(12)	..	..	..	..	..	281·9 | +0·6	..	..	..	..	281·0	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1005·3	1007·0	− 6·9	282·6	286·3	9th	278·4	271·9	20th	280·5	280·7	+0·7	199	+ 99
335	Aberdeen	57 10	W 2 6	26·8	1003·6	1006·9	− 3·5	278·0	286·9	1st	274·4	268·0	17th	276·2	276·3	−0·2	96	+ 17
336	Greenwich	51 28	0 0	46·3	1004·2	1010·0	− 7·2	280·4	286·9	2nd	274·8	268·6	24th	277·6	277·6	+0·8	60	− 17
337	Uccle	50 48	E 4 22	100	998·3	1010·7	− 6·3	278·1	284·6	2nd	271·6	262·4	24th	274·8	274·7	−0·2	97	+ 34
338	De Bilt	52 6	5 11	3·0	1009·8	1010·2	− 6·6	276·3	284·4	3rd	270·0	259·6	24th	273·1	273·4	−1·1	59	+ 17
338*a*	Hamburg	53 33	9 58	40·3	1006·6	1011·7	− 5·8	272·6	283·2	2nd	268·7	259·2	27th	270·7	*270·5*	−2·5	57	+ 17
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1011·5	1012·1	− 3·1	273·2	280·9	1st	269·9	266·9	5th	271·5	*271·9*	−1·3	27	+ 2
340	Potsdam	52 23	13 4	84·9	1001·8	1012·6	− 5·1	271·9	282·4	2nd	266·2	255·9	27th	269·1	268·9	−3·1	57	+ 17
340*a*	Uppsala	59 51	17 38	24	1011·6	1014·7	+ 2·3	268·8	273·9	1st, 2nd	263·1	253·0	23rd	266·0	266·2	−2·6	34	+ 9
341	Warsaw	52 13	21 1	133	998·0	1015·2	− 4·1	269·4	281·0	2nd	264·1	252·5	27th	266·7	267·0	−2·4	23	− 9
342	Tartu (Dorpat)	58 23	26 43	74·5	1006·8	1016·6	+ 1·4	266·3	273·0	2nd	260·4	252·4	10th	263·4	263·5	−2·9	22	− 9
343	Petrograd	59 56	30 16	4·8	1016·7	1017·3	+ 2·9	265·6	270·8	7th	260·6	250·2	16th	263·1	*263·0*	−2·2	26	+ 13
344	Kiiv	50 27	30 30	183	994·7	1018·3	− 2·2	267·2	276·1	3rd	261·0	251·1	24th	264·1	*264·4*	−2·6	45	+ 13
344*a*	Moscow	55 50	37 33	167	998·7	1020·6	+ 1·3	265·2	275·2	6th	259·7	241·9	23rd	262·4	*262·4*	+0·2	22	+ 9
345	Saratov	51 33	45 57	‡122	1007·6	1023·8	+ 0·5	265·1	274·7	4th	258·6	245·7	20th	261·8	*262·1*	+0·2	17	+ 5
346	Kazan	55 47	49 8	79·9	1015·0	1025·7	+ 5·3	263·7	274·9	4th	257·4	243·6	21st	260·6	*260·3*	+0·9	10	− 2
347	Orenburg	51 45	55 6	109	1014·2	1029·0	+ 3·7	260·7	271·5	5th	253·8	237·8	26th	257·2	*257·3*	−0·6	8	− 9
348	Perm	58 1	56 16	163	1006·8	1028·7	+ 8·3	261·0	273·6	6th	254·6	241·5	16th	257·8	*258·0*	+0·8	21	− 2
349	Sverdlovsk	56 50	60 38	281	993·2	1031·2	+10·5	258·4	272·6	6th	248·4	234·5	18th	253·4	*254·6*	−2·2	9	− 2
350	Tobolsk	58 12	68 14	108	1018·8	1033·7	+13·1	257·0	268·4	4th	250·5	236·9	19th	253·8	*253·9*	−0·1	16	− 10
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	‡108	1019·5	1034·4	+ 9·1	..	..	27th	249·8	235·6	15th	..	*253·4*	−0·1	4	− 5
353	Barnaoul	53 20	83 48	162	1014·0	1036·5	+ 7·1	256·3	270·4	1st	247·0	230·1	18th	251·6	*251·8*	−3·6	26	+ 5
354	Tomsk	56 30	84 58	122	1018·7	1035·7	+ 9·5	..	269·1	6th	247·2	233·9	25th	..	*251·9*	−1·7	21	− 2
355	Minousinsk	53 43	91 41	248	1005·1	1040·2	+ 8·8	..	269·1	9th	240·6	223·8	18th	..	*245·6*	−7·4	18	+ 10
356	Eniseisk	58 27	92 10	77·6	1026·6	1037·7	+10·9	..	265·2	6th	241·3	225·1	14th	..	*246·1*	−5·4	18	+ 9
357	Irkutsk	52 16	104 19	467	975·2	1040·3	+ 7·5	250·4	259·9	7th	240·6	229·8	17th, 24th	245·5	*245·3*	−7·3	19	+ 9
358	Kirensk	57 47	108 7	263	1004·3	1043·5	+14·4	..	257·6	30th	228·0	215·3	2nd	..	*233·5*	−12·4	11	− 2
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	976·2	1029·0	+ 1·9	250·3	260·5	31st	238·7	228·3	14th	244·5	*244·7*	−1·4	1	− 3
362	Blagovyeshchensk (Bureau Météor)	50 16	127 30	142	1007·0	1027·2	+ 2·0	248·6	256·1	31st	238·7	230·9	20th	243·6	*243·4*	−5·7	4	+ 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	265·9	271·2	2nd	260·1	251·3	11th	263·0	*262·5*	+0·4	27	− 46
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

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JANUARY—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1012·2	1021·0	+ 5·0	277·4	281·3	10th	273·6	266·9	30th	275·5	275·1	−1·4	70	− 45
412	Portland, Oregon	45 32	122 41	46·6	1016·5	1022·0	+ 3·5	277·7	284·1	25th	271·8	264·1	18th	274·8	*274·8*	−2·0	78	− 88
413	Macleod	49 44	113 24	953	..	..	..	269·3	280·8	9th	260·0	239·7	23rd	264·7	*264·7*	−0·3	10	− 7
414	Helena	46 34	112 4	1253	873·2	1021·3	+ 0·9	270·4	281·9	1st	261·8	245·8	30th	266·1	*266·2*	−0·5	13	− 10
414*a*	Salt Lake City	40 46	111 54	1329	869·9	1023·0	+ 0·8	271·8	283·0	1st	263·3	251·3	19th	267·6	*268·0*	−3·8	36	+ 1
415	Cheyenne	41 8	104 48	1856	809·0	1019·3	− 0·4	272·7	285·8	2nd	261·2	243·0	18th	266·9	*267·5*	−2·7	12	+ 2
416	North Platte	41 8	100 45	859	918·4	1022·3	+ 0·9	274·8	287·4	2nd	259·6	249·1	30th	267·2	*266·8*	−0·6	17	+ 6
416*a*	Bismarck	46 47	100 38	511	957·5	1021·7	+ 1·0	265·8	277·4	9th	253·9	237·4	23rd	259·9	*260·1*	−0·4	9	− 4
417	Winnipeg	49 53	97 7	232	989·8	1020·8	− 0·1	261·9	274·7	9th, 28th	251·9	234·1	22nd	256·9	*256·3*	+3·8	7	− 16
418	Duluth	46 47	92 6	345	977·0	1021·0	+ 2·0	264·5	275·2	9th	255·6	238·6	23rd	260·0	*259·8*	+0·6	13	− 13
419	Port Arthur	48 27	89 12	196	994·8	1020·7	+ 2·6	264·7	272·4	31st	254·1	240·2	23rd	259·4	*259·3*	+1·3	11	− 8
420	Chicago	41 53	87 37	251	991·4	1022·7	+ 3·5	273·3	284·1	4th	264·7	254·7	22nd	269·0	*269·2*	−0·4	29	− 23
421	Toronto	43 40	79 24	116	1007·1	1022·1	+ 4·2	271·3	279·7	5th	264·1	254·7	2nd	267·7	267·6	+0·1	35	− 36
422	New York (Central Park)	40 47	73 58	47·4	1015·7	1021·8	+ 3·6	274·3	283·0	5th	267·4	259·1	2, 25, 26	270·9	270·8	−1·6	69	− 19
423	St. John, N.B.	45 17	66 4	36·2	1012·3	1017·0	+ 1·4	270·2	279·7	12th	259·7	248·0	24th	264·9	264·4	−1·0	85	− 37
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·0	1014·2	+ 2·5	266·3	275·2	12th	258·0	244·7	24th	262·2	*262·2*	+0·2	37	− 25
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	?1013·3	?1014·3	+ 0·1	?278·1	?280·2	5, 7, 12	?271·9	?266·3	4th	?275·0	*?274·2*	+2·8	..	..
425	Port aux Basques	47 35	59 10	9·1	1010·8	1012·0	+ 0·9	270·2	280·8	3rd	263·6	250·8	24th, 25th	266·9	*267·1*	−0·1	203	+ 56
426	St. John's, Newfoundland	47 34	52 42	48·8	1001·5	1007·7	− 2·2	271·3	278·6	3, 6, 12	265·2	251·3	25th	268·3	*268·4*	0·0	138	+ 2
430	50°-45° N. 35°-30° W.	††48 33	††32 42	§(66)	..	997·4	..	..	..	Sea Temp. 283·9 | −1·6	..	..	..	..	281·5	..	..
435	Madrid	40 24	3 41	667	940·3	1020·0	− 4·0	282·2	287·1	3rd	274·0	270·6	3rd	278·1	*277·8*	+0·5	41	+ 15
436	Nantes	47 15	W 1 34	36·5	1008·5	1013·1	− 7·1	282·2	286·2	30th	277·2	270·0	15th	279·7	279·4	+2·0	107	+ 43
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1006·8	1013·0	− 7·1	279·9	286·2	9th	274·6	269·5	7th	277·3	277·2	+1·6	43	+ 4
438	Marseille	43 18	5 23	75	..	1011·3	− 6·2	283·7	289·1	11th	270·3	260·4	8th	280·0	*279·5*	−0·3	116	+ 74
438*a*	Zürich	47 23	8 33	493	955·1	1015·6	− 6·6	275·5	284·1	10th	270·1	262·2	8th	272·8	*272·6*	+0·3	108	+ 56
439	Rome	41 54	12 27	45·5	1004·7	1010·0	− 6·3	283·3	288·0	31st	276·2	271·0	14th	279·7	*279·8*	−0·3	52	− 31
440	Vienna	48 15	16 22	203	989·2	1014·7	− 6·0	272·7	282·9	10th	268·3	260·5	27th	270·5	270·8	−0·6	78	+ 41
440*a*	Budapest	47 31	19 2	130	998·0	1014·5	− 6·5	274·0	282·2	2nd, 3rd	269·1	261·3	28th	271·5	*271·3*	+0·1	91	+ 53
441	Sofia	42 42	23 20	550	948·0	1015·7	− 5·4	274·2	282·2	3rd	268·1	256·3	15th	271·1	*270·9*	−0·1	45	+ 11
442	Bucharest	44 25	26 6	82	1005·8	1016·3	− 4·9	271·2	278·0	3rd	265·4	257·2	26th	268·3	268·5	−1·3	78	+ 44
443	Odessa (University)	46 29	30 46	65·3	1008·5	1016·9	− 3·6	..	..	..	266·1	253·2	27th	..	*268·2*	−2·2	39	+ 13
444	Kharkiv (University)	50 0	36 14	140	1001·8	1019·9	− 2·5	268·6	279·1	5th	263·5	252·4	26th	266·0	*265·9*	+0·7	40	+ 6
444*a*	Novorossiisk	44 44	37 49	37·1	1010·8	1015·5	− 3·9	278·9	288·5	7th	272·8	259·7	27th	275·8	*275·5*	−0·3	77	− 1
445	Tiflis	41 43	44 48	404	970·8	1020·3	− 2·6	279·1	286·2	5th, 6th	271·8	265·9	29th	275·5	*275·1*	+1·9	21	+ 7
446	Astrakhan	46 21	48 2	−20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	−23·5	1023·5	1020·6	− 0·9	274·5	284·3	7th	269·2	257·5	26th	271·8	*271·9*	+2·6	1	− 8
448	Krasnovodsk	40 0	52 59	− 5·9	1020·0	1019·3	− 2·4	280·2	290·0	10th	275·4	270·1	28th	277·8	*277·4*	+1·8	6	− 8
449	Kasalinsk	45 46	62 7	67	1017·4	1026·3	+ 0·5	266·6	274·4	1st	259·4	246·9	20th	263·0	*263·0*	+1·9	5	− 3
450	Tachkent	41 20	69 18	478	965·1	1023·8	− 2·0	279·5	287·5	10th	272·0	266·5	31st	275·7	*275·1*	+3·1	32	− 15
451	Narynskoe	41 26	76 2	‡2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	..	..	..	271·4	281·9	5th	262·6	254·8	22nd	267·0	*266·7*	+2·3	14	− 18
461	Moukden	41 48	123 23	43·8	1026·1	1032·1	+ 4·2	261·9	271·3	31st	248·4	241·8	13th	255·1	254·8	−4·9	7	+ 3
462	Joshin	40 40	129 11	31·9	1021·0	1025·2	+ 4·3	269·0	273·9	11th	259·7	253·6	20th	264·3	264·0	−2·8	32	+ 5
463	Yuki	42 20	130 24	65·6	1016·9	1025·7	+ 3·8	262·5	269·5	31st	255·6	251·2	22nd	259·1	258·8	−4·7	2	− 3
464	Vladivostok	43 7	131 55	128	1009·4	1027·1	+ 3·5	254·9	262·0	31st	248·1	243·1	13th, 14th	251·5	*251·4*	−7·9	15	+ 8
465	Ochiai	47 20	142 47	27·4	1012·1	1015·8	+ 2·4	259·2	269·1	3rd	248·3	239·0	8th	253·7	254·4	−3·4	11	− 31
466	Nemuro	43 20	145 35	26·7	1008·1	1011·6	− 0·4	267·5	271·7	6th	259·3	251·1	27th	263·4	264·0	−4·0	47	+ 13
466*a*	Syana	45 14	147 53	39·3	1004·3	1009·4	− 1·3	266·2	271·8	4th	262·1	255·3	19th	264·1	264·2	−3·4	53	− 45
		N.	E.															

Between Latitude 40° N. and 30° N. JANUARY—ZONE 5 (Western Half).

508	35°—30°N 145°—140°W	††31 16	††142 10	§(16)	..	1025·0	+ 1·7	..	..	Sea Temp. 290·8 | +1·1	..	..	..	..	289·1	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1014·1	1020·0	+ 0·1	284·4	289·1	12th	277·9	273·0	19th	281·2	*280·9*	−1·5	61	− 60
512	San Luis Obispo	35 18	120 39	61·3	1011·6	1019·3	− 0·5	288·9	297·4	11th	275·5	268·6	20th	282·2	*281·6*	−1·6	114	− 14
513	San Diego	32 43	117 10	26·5	1014·3	1017·6	− 0·8	288·6	295·2	12th	280·2	274·7	21st	284·4	*284·5*	−0·8	88	+ 42
514	Modena	37 48	113 54	1670	832·8	1021·7	− 1·4	272·3	281·3	1st	256·6	248·6	20th	264·4	*264·2*	−5·9	44	+ 21
515	Santa Fé	35 41	105 57	2138	784·3	1017·9	− 1·3	276·6	283·6	1st	265·1	258·0	21st	270·8	*270·4*	−0·4	16	− 1
516	Denver	39 45	105 0	1613	834·8	1018·6	− 0·1	277·1	289·1	2nd	264·2	249·7	19th	270·6	*270·6*	−1·2	8	− 3
517	Abilene	32 23	99 40	530	958·0	1021·0	+ 0·7	283·7	296·9	3rd	272·6	264·1	19th	278·2	*277·9*	−1·7	30	+ 8
518	Saint Louis	38 38	90 12	173	1001·7	1023·0	+ 2·5	276·6	289·1	14th	267·4	256·9	23rd	272·0	*271·7*	−0·8	19	− 39
519	Mobile	30 41	88 2	17·4	1018·9	1021·0	0·0	288·4	295·2	21st	281·0	273·0	2nd	284·7	*284·7*	+1·1	172	+ 52
520	Nashville	36 10	86 47	166	1002·9	1023·3	+ 1·8	281·2	290·8	4th	272·4	265·8	2nd	276·8	*276·9*	0·0	74	− 46
521	Charleston	32 47	79 56	14·6	1020·3	1022·0	+ 1·0	285·6	296·3	6th	277·5	269·7	26th	281·6	*281·4*	−1·3	63	− 15
522	Washington	38 54	77 3	34·1	1018·5	1022·7	+ 2·4	276·8	289·7	5th	269·1	261·3	26th	273·0	*272·9*	−1·0	141	+ 54
523	Bermuda	32 17	64 46	46·0	1014·7	1020·2	+ 0·5	293·0	297·4	19th	286·3	280·2	3rd	289·7	*289·4*	−0·9	151	+ 40
524	Santa Cruz (Flores)	39 27	31 9	40**	1015·3	1019·7	− 1·1	289·3	292·9	15th	284·6	279·7	22nd, 25th	287·0	*287·2*	−0·2	248	+ 32
530	Horta	38 32	28 38	65	1013·6	1020·8	− 0·8	289·2	292·5	12th	284·5	279·1	22nd	286·8	286·8	−0·9	108	− 11
531	Ponta Delgada	37 44	25 40	22	1019·6	1021·5	− 0·5	288·8	290·9	11th	285·3	282·1	22nd	287·0	287·2	−0·2	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	151	+ 37
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1021·5	‡1024·4	+ 2·6	290·8	292·4	26th, 30th	285·5	283·0	20th	288·1	*288·1*	−0·1	141	+ 54
533	Lisbon	38 43	9 9	95	1008·2	1019·8	− 1·5	286·8	288·5	29th	281·6	277·3	9th, 13th	284·2	284·1	+0·8	60	− 32
534	Melilla	35 18	2 59	8	1019·5	1020·5	− 0·3	291·1	295·8	30th	279·8	277·0	23rd	285·5	*287·3*	−0·2	39	− 37
535	Gibraltar	36 6	5 21	16·2	1017·9	1020·1	− 1·1	289·4	293·0	29th	281·9	278·6	7th, 8th	285·7	*285·9*	0·0	60	− 69
535*a*	Colomb Béchar	31 6	1 46	786	928·3	1020·2	..	290·3	297·8	31st	275·2	270·8	3rd	282·8	*281·5*	..	16	..
536		N.	W.															
536*a*		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ** Height changed from 28 m. to 40 m. from January 1st.

JANUARY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure,* Mean at Level of Station.	Pressure,* Mean at M.S.L.	Pressure,* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1012·1	1014·9	− 4·6	286·8	290·2	27th	279·1	275·8	16th	283·0	..	−0·5	27	− 14
538	Algiers (Bouzaréah)	36 48	3 2	342	975·8	1015·8	− 4·2	285·7	292·2	3rd	281·0	276·1	5th	283·3	283·4	+0·8	62	+ 5
539	Tunis	36 48	10 10	21	1010·3	1012·8	..	287·3	295·4	30th	280·9	274·1	6th	284·1	*283·9*	+1·8	124	+ 70
539*a*	Malta	35 54	14 31	56·4	..	1012·5	− 4·6	287·2	291·1	31st	283·0	277·8	6th	285·1	*284·7*	−0·8	92	+ 36
540	Riposto	37 41	15 14	14·2	..	1012·5	− 6·5	287·6	289·6	3rd	281·5	277·8	9th	284·5	*283·6*	−0·6	102	+ 46
541	Athens	37 58	23 43	107	999·2	1012·2	− 5·9	285·2	289·3	18th	279·7	275·0	11th	282·4	282·2	+0·7	47	+ 9
542	Alexandria	31 12	29 53	32·0	1012·3	1016·2	− 1·9	292·5	296·9	18th	283·5	280·6	23rd	288·0	*287·7*	+0·7	63	+ 9
543	Nicosia (P.W.D.)	35 9	33 22	159	995·6	1014·7	− 2·6	288·1	290·8	7th	279·1	273·6	12th	283·6	..	+0·8	71	+ 7
544	Beirut	33 54	35 28	33·7	..	1015·2	− 2·6	289·5	292·8	20th	284·3	280·6	11th	286·9	*286·7*	+0·6	266	+ 178
545	Baghdad	**	**	**	1014·4	1018·6	− 2·7	289·4	293·4	24th	280·4	273·3	16th	284·9	*284·2*	+2·5	22	− 13
546	Lenkoran	38 46	48 52	−20·0	1021·5	1019·1	− 3·4	..	..	..	275·3	272·0	..	..	*277·7*	+1·5	82	+ 31
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	880·4	..	..	282·2	289·1	10th, 11th	271·2	268·0	20th	276·7	..	+2·4	49	+ 31
549	Seistan	31 0	61 30	?	..	..	..	288·2	291·7	13th	275·4	270·7	2nd	281·8	..	..	9	− 10
550	Quetta	30 11	67 3	1677	835·1	..	+ 0·2	282·7	288·8	13th, 14th	271·4	267·2	21st	277·1	*276·7*	−0·2	33	− 12
551	Peshawar	34 2	71 37	339	981·0	1022·3	+ 1·3	288·9	293·0	16th	276·9	274·7	2nd	282·9	*281·8*	−0·8	18	− 18
551*a*	Lahore	31 34	74 20	214	993·1	1019·1	+ 0·6	291·5	294·1	17th	278·9	276·0	4th	285·2	*284·7*	0·0	12	+ 5
552	Simla	31 7	77 8	2205	781·4	..	+ 0·6	279·2	284·1	18th	274·4	271·6	2nd	276·8	*276·4*	−1·9	128	+ 97
552*a*	Leh	34 10	77 42	3503	663·9	..	− 0·3	269·9	272·6	20th	260·2	256·4	4th	265·1	*264·0*	−1·0	10	− 9
559	Hankow	30 35	114 17	37·0	1024·2	1028·9	+ 0·8	277·7	287·0	7th	272·4	264·0	18th	275·1	*274·9*	−2·3	48	+ 1
560	Tientsin	39 10	117 10	5·0	1031·1	1031·7	+ 3·5	271·1	278·6	10th	262·2	255·8	19th	266·7	*266·5*	−2·4	0	− 5
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1027·2	+ 0·7	280·2	290·0	8th	273·7	264·5	20th, 21st	277·0	276·4	+0·2	73	+ 25
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1019·2	1028·1	+ 3·3	269·9	277·3	11th	262·2	256·6	20th	266·0	265·7	−3·7	19	− 27
562*a*	Nagasaki	32 44	129 52	133	1006·8	1023·4	+ 1·5	280·2	285·5	9th	273·6	269·4	20th	276·9	276·6	−2·1	58	+ 3
563	Kyoto	35 1	135 44	42·9	1015·4	1020·8	+ 1·6	279·3	282·7	16th	271·0	266·1	20th	275·1	274·3	−1·3	65	+ 10
564	Tokyo	35 41**	139 46**	5·8**	1014·6	1015·3	− 1·0	278·5	285·5	10th	269·8	264·9	22nd	274·1	273·6	−2·4	60	+ 4
565	Kanayama	37 53	140 46	24·6	1013·7	1016·8	+ 0·6	274·7	281·3	10th	266·9	263·3	26th	270·8	270·9	−2·8	14	− 41
566	Miyako	39 38	141 59	30·4	1011·1	1015·0	+ 0·2	274·7	280·4	10th	263·8	258·7	30th	269·3	268·9	−3·5	47	+ 1

JANUARY—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure,* Mean at Level of Station.	Pressure,* Mean at M.S.L.	Pressure,* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 13	177 22	5·8	..	1016·9	+ 1·0	296·2	299·1	31st	289·3	283·6	13th	292·7	*292·2*	..	58	..
605	Honolulu	21 19	157 52	11·6	1015·2	1016·5	+ 0·6	297·3	299·7	..	291·9	289·7	..	294·6	*294·5*	+0·1	162	+ 67
614	La Paz	24 9	110 20	12	1013·4	1014·8	..	296·8	301·0	2nd	286·4	283·0	21st	291·6	..	..	0	..
615	Chihuahua	28 38	106 4	1423	859·6	1017·8	..	286·4	291·7	17th	276·5	266·2	14th	281·5	*282·7*	..	0	..
616	Leon	21 7	101 41	1809	819·5	1011·1	− 4·3	295·3	298·4	31st	279·8	275·5	13th	287·5	*287·5*	+0·8	0	..
616*a*	Monterry	25 40	100 18	528	956·7	1018·5	− 0·1	291·9	304·8	18th	280·8	276·6	21st	286·4	*285·6*	−1·6	1	..
617	Tulancingo	20 5	98 22	2181	792·4	..	..	291·4	296·0	31st	278·3	273·0	13th	284·8	*284·5*	−0·2	0	..
618	Galveston	29 18	94 50	16·5	1018·6	1020·6	+ 0·1	286·9	295·2	4th	281·3	274·7	12th	284·1	*284·0*	−0·9	123	+ 74
618*a*	New Orleans	29 57	90 4	16·2	..	1020·6	+ 0·2	290·2	299·7	19th	282·4	275·8	2nd	286·3	*286·0*	+0·8	133	+ 84
619	Merida, Yuc.	20 58	89 38	22	1016·3	1018·9	− 0·5	301·0	304·6	24th	291·7	288·2	14th, 15th	296·3	*295·3*	+0·9	10	− 29
620	Havana	23 8	82 21	24·3	..	1018·7	0·0	299·5	302·6	11th	291·9	288·4	1st	295·7	*295·3*	+0·8	34	− 5
620*a*	Key West	24 33	81 48	6·7	1018·2	1018·9	− 0·9	297·0	299·7	10th	291·7	285·8	14th	294·3	*293·6*	+0·6	66	+ 27
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	16	− 23
622	Watling Island	24 6	74 26	33·5	1015·0	1018·9	+ 0·8	..	301·3	25th	..	290·2	14th	..	*296·6*	..	..	..
633	Izaña	28 19	16 30	2367	767·5	..	..	279·2	288·2	29th	273·7	269·0	8th	276·5	*276·0*	−0·2	53	− 29
634	La Laguna	28 28	W16 20	547	957·0	1021·4	+ 1·5	288·3	292·9	24th	281·6	277·2	23rd	285·0	*284·5*	−0·3	79	− 3
641	Siwa	29 12	E 25 29	−23	1019·8	1017·0	..	292·3	300·0	18th	277·2	271·0	8th	284·8	..	..	1	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1003·4	1017·1	− 1·6	291·2	298·4	18th	281·4	277·9	10th	286·3	*286·3*	+0·4	5	− 1
643*a*	Aswan	24 2	32 53	99·6	1005·0	1017·0	− 0·8	296·6	306·2	1st	282·7	277·0	12th	289·6	*288·8*	+0·8	..	..
644	Tor	28 14	33 37	1·9	1015·6	1015·9	− 1·4	293·8	297·5	2nd	281·9	278·8	28th	287·8	*287·4*	+0·5	4	− 1
647	Bushire	28 59	50 53	4·3	1018·0	1018·6	− 0·1	291·8	297·6	11th	285·0	281·8	15th	288·4	*288·2*	+1·0	35	+ 25
648	Jask	25 44	57 47	4·0	1017·4	1017·8	+ 0·1	298·2	299·8	25th	289·8	286·9	3rd	294·0	*293·8*	+1·3	0	− 1
649	Karachi	24 53	66 57	4·0	1017·9	1018·4	+ 0·5	297·2	299·1	17th	287·4	283·0	2nd	292·3	*292·1*	−0·3	1	− 1
650	Jacobabad	28 17	68 29	56·7	1012·5	1019·5	+ 0·9	291·6	294·5	16th	281·1	276·6	3rd	286·3	*285·6*	−1·2	0	− 1
651	Jaipur	26 56	75 52	436	968·1	1019·7	+ 0·7	295·3	299·4	16th	281·3	275·3	4th	288·3	*287·6*	−0·9	1	− 1
652	Nagpur	21 8	79 5	310	981·3	1017·6	+ 0·5	300·9	305·0	30th	286·1	282·1	5th	293·5	*293·1*	−0·4	14	+ 7
653	Allahabad	25 25	81 51	94·1	1007·5	1018·4	+ 1·2	296·1	301·7	1st	283·3	278·1	4th	289·7	*288·8*	+0·4	30	+ 20
653*a*	Darjeeling	27 3	88 18	2266	776·7	..	+ 0·4	282·0	286·8	11th	275·7	273·3	31st	278·9	*278·5*	+1·1	15	+ 5
654	Calcutta	22 36	88 23	6·4	1015·9	1016·7	− 0·1	299·0	302·0	2nd	286·4	283·5	6th	292·7	*292·2*	+0·8	4	− 5
655	Gauhati	26 8	91 41	59·7	1011·5	1018·6	+ 0·7	296·6	299·4	23rd	284·5	282·2	5th	290·6	*289·9*	+0·6	8	− 1
655*m*	Cherrapunji	25 15	91 42	1314	870·6	..	+ 0·3	289·2	295·5	10th	281·9	279·3	14th	285·6	*284·9*	+0·8	11	+ 2
655*a*	Akyab	20 11	92 56	6·1	1013·4	1014·1	− 1·2	299·7	301·8	30th	288·4	285·1	18th	294·1	*293·6*	−0·1	0	− 1
656	Mandalay	21 59	96 0	76·2	1006·7	1015·7	− 0·3	302·5	306·7	31st	287·5	284·9	19th	295·0	*294·3*	+0·7	0	− 1
656*a*	Tengyueh	25 2	98 33	1625	835·4	1013·6	− 2·1	290·5	293·6	9th	273·7	270·8	1st	282·1	*281·4*	+0·5	2	− 1
657	Phu Lien	20 48	106 38	116	1003·7	1017·5	− 1·9	293·2	299·6	16th	288·1	282·0	20th	290·7	290·1	+0·5	86	+ 57
658	Moncay	21 31	107 51	9	1017·3	1018·4	− 1·7	291·9	299·0	9th	285·9	280·8	20th	288·9	*288·9*	+0·1	73	+ 44
659	Hongkong	22 18	114 10	33·2	..	1018·8	− 0·9	291·1	296·4	9th	287·2	281·7	19th	289·1	288·8	+0·2	68	+ 39
660	Amoy	24 27	118 4	ca. 3	1019·4	1019·8	− 1·6	289·9	295·2	13th	286·7	282·4	20th, 30th	288·3	*288·0*	+0·5	41	+ 12
661	Taihoku, Formosa	25 2	121 31	9·3	1019·6	1020·7	− 0·4	292·5	299·3	13th	286·3	280·7	20th	289·4	289·0	+0·8	93	+ 52
661*a*	Basco	20 28	121 59	18·7	1012·2	1014·6	− 0·6	298·0	301·3	16th	293·3	290·4	10th	295·7	*295·9*	+0·6	338	+ 297
662	Naha	26 13	127 41	10·5	1018·8	1020·1	+ 0·1	292·7	297·8	14th	286·5	283·0	22nd	289·6	289·2	+0·1	100	+ 59
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·7	1017·2	− 0·4	293·5	296·2	14th	287·6	281·6	6th	290·5	290·6	−0·1	51	+ 10
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

** Baghdad, station moved to Hinaidi, 33° 20′N, 44° 26′E, 43·0m. from January 29th.

** Tokyo, station moved to 35° 41′N, 139° 46′E, 5·8m. from January 1st.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JANUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure,* Mean at Level of Station.	Pressure,* Mean at M.S.L.	Pressure,* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	956·8	1012·3	..	302·0	303·4	22nd	291·8	290·4	30th	296·9	*296·2*	..	0	..
716	Morelia	19 42	101 7	1923	810·9	1014·2	..	294·2	296·5	31st	280·4	278·5	15th	287·3	*286·8*	..	1	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·9	..	− 0·2	294·6	298·5	31st	276·9	273·0	13th	285·7	285·5	+0·8	5	− 4
718	Salina Cruz	16 12	95 12	56	1006·6	1013·1	..	301·9	306·5	20th	294·7	291·2	13th	298·3	*298·2*	+0·7	0	− 1
719	San Salvador	13 42	89 13	682	937·5	1013·4	0·0	304·5	307·0	31st	287·5	284·0	4th	296·0	*295·0*	−0·1	2	− 5
720	Belize	17 29	88 12	5·2	1015·8	1016·3	− 0·7	..	..	..	292·3	286·3	14th	..	‡*295·9*	+0·5	85	− 79
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·1	− 0·5	302·3	304·0	5th	292·7	290·8	27th	297·5	*297·3*	−0·1	128	+ 92
722	Port au Prince	18 33	72 20	37·4	1011·4	1015·7	− 0·2	304·0	306·3	22nd	293·2	291·5	11th	298·6	*298·2*	+0·5	44	+ 13
723	Caracas	10 30	66 55	1042	899·5	1014·6	+ 0·4	296·8	300·0	12th	287·0	283·6	11th	291·9	*290·8*	−0·4	33	+ 11
724	Montserrat	16 41	62 9	39·6	1010·3	1014·9	− 1·3	..	..	..	294·3	291·3	7th, 27th	..	..	..	66	− 51
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡994·8	‡1012·7	− 0·6	301·1	303·0	4, 8, 9	295·7	294·1	8, 9, 15	298·4	*298·0*	+0·4	158	+ 45
725	Barbados	13 8	59 36	55·2	..	1013·5	− 0·8	301·1	301·9	9th, 28th	294·4	290·7	8th	297·7	*296·9*	+0·2	51	− 35
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·4	1014·7	− 0·5	296·2	298·5	31st	289·0	287·0	17th	292·6	*293·7*	−1·0	0	− 5
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·6	1014·6	− 0·5	297·6	301·4	29th	292·9	291·6	31st	295·2	*295·4*	−0·1	0	− 3
733	Bathurst	13 27	16 34	1·8	..	1013·7	+ 0·2	301·9	308·0	27th	289·9	287·4	5th, 14th	295·9	*295·7*	−0·3	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·5	311·3	31st	289·5	284·7	5th	297·5	..	−0·8	0	− 1
735*a*	Niénébalé	12 57	7 20	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	305·2	309·1	15th	288·6	285·2	4th	296·9	*296·6*	+0·2	0	0
738	Kaduna Capital	10 32	7 25	637	944·4	1016·7	+ 1·8	304·3	306·9	8th	288·7	286·3	13th, 25th	296·5	*296·2*	+0·7	0	0
739	Hadeija	12 40	10 5	?	..	..	..	306·2	311·9	17th	..	..	..	..	‡*295·9*	+0·7	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	306·0	311·9	16th, 18th	285·8	283·0	1st	295·9	*295·6*	−0·3	0	0
741	El Fasher	13 32	25 18	730	..	..	..	304·7	309·9	1st	281·9	277·0	13th	293·3	*292·2*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	303·5	309·1	2nd	285·9	279·9	13th	294·7	*293·2*	+0·6	0	0
743*a*	Khartoum	15 37	32 33	390	967·2	1011·0	− 1·8	303·4	309·0	2nd	288·7	283·0	12th	296·1	*296·3*	+0·8	0	0
744	Port Sudan	19 37	37 13	5·5	1013·5	1014·3	− 0·5	300·7	303·8	2nd	293·5	290·1	12th	297·1	*296·6*	+0·7	5	− 6
745	Berbera, Somaliland	10 22	45 2	9·5	1013·0	1014·1	− 1·7	302·7	305·8	2nd	291·0	287·4	21st	296·8	*298·4*	−1·1	0	− 3
746	Aden	12 45	45 3	28·7	1012·4	1015·8	− 0·6	299·1	301·4	1st	295·4	293·7	24th	297·3	*296·7*	−0·3	0	− 9
752	Bombay	18 54	72 49	11·3	1013·1	1014·5	− 0·8	301·7	304·6	5th	293·1	288·7	3rd	297·4	296·6	+0·2	0	− 2
752*a*	Kodaikanal	10 14	77 28	2343	771·4	..	− 0·6	291·7	294·9	30th	281·2	278·7	24th	286·4	*285·6*	+0·8	112	+ 51
753	Bangalore	12 59	77 38	920	913·0	1015·0	− 0·3	300·8	303·7	31st	288·0	284·8	18th	294·4	*293·9*	+1·2	11	+ 4
754	Madras	13 4	80 14	6·7	1014·2	1014·9	− 0·4	301·6	303·7	31st	293·2	290·6	30th	297·4	*296·9*	−0·1	88	+ 59
	Vizagapatam	17 42	83 19	11·6	1014·6	1016·0	− 0·1	299·8	301·9	12th	293·3	291·0	20th	296·5	*296·1*	+0·5	2	− 12
755	Port Blair	11 40	92 40	18·0	1009·7	1011·7	− 1·7	301·9	303·9	8th	296·8	293·7	18th	299·3	*298·9*	−0·6	245	+204
756	Rangoon	16 46	95 48	5·5	1013·4	1014·1	− 0·5	305·1	307·2	26th	292·9	288·9	17th	299·0	*297·9*	+1·2	1	− 5
757	Saigon	10 47	106 42	11	1009·8	1011·0	− 1·1	305·5	307·8	28th	295·3	292·8	8th	300·4	*299·8*	+1·2	14	− 9
758	Nhatrang	12 15	109 12	3·6	1012·8	1013·2	− 1·4	301·0	302·6	31st	294·0	291·7	23rd	297·5	*297·0*	+0·4	107	+ 47
759	Bolinao	16 23	119 53	7·1	1009·3	1010·1	− 1·5	304·6	307·7	* 15th	294·5	292·0	9, 10, 27	299·5	*298·8*	0·0	0	− 11
761	Vigan	17 34	120 23	12·2	..	1011·5	− 1·1	303·5	305·0	30th	294·2	291·1	7th	298·9	298·9	+0·5	0	− 1
761*a*	Manila	14 35	120 59	14·2	..	1012·2	0·0	304·2	306·3	29th	293·5	291·1	7th	298·9	297·7	−0·1	19	− 2
762	Ormoc	11 0	124 36	5·6	1009·1	1009·9	− 0·1	304·1	305·7	19th	294·7	292·9	3rd	299·4	*298·9*	+0·8	178	− 23
765	Guam, Ladrone Is.	13 24	144 38	20·4	1004·4	1007·0	− 2·7	301·6	303·8	30th	297·6	296·1	29th	299·6	*299·3*	+0·3	30	− 32
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 10° N. and 0°.

JANUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure,* Mean at Level of Station.	Pressure,* Mean at M.S.L.	Pressure,* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1009·6	1010·2	..	..	..	..	..	..	..	..	‡*301·3*	+0·9	76	−208
821	Colon	9 23	79 23	11·0	..	1010·8	− 0·9	302·3	303·6	30th	297·7	295·2	11th	300·0	*299·6*	+0·3	174	+ 79
822	Bogota	4 36	74 0	2645	..	..	..	..	..	..	..	..	..	..	..	..	2	− 56
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·1	..	− 0·6	296·1	297·5	25th	287·1	284·0	9th	291·6	*290·7*	+0·3	89	+ 15
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	303·8	305·6	27th	295·9	294·0	22nd	299·8	*299·3*	*k*.	26	+ 13
824	El Peru, Guayanavieja	7 19	61 49	220	?985·7	?1010·8	− 0·2	300·6	301·8	24th	292·5	290·4	26th	296·5	*295·9*	−0·7	166	+ 70
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·2	+ 0·4	301·6	302·4	sev. dates	297·1	295·2	22nd	299·3	*299·3*	0·0	162	− 37
826	Paramaribo	5 49	55 9	3·7	‡1012·8	‡1013·2	+ 0·3	302·2	304·0	17th	295·6	294·0	7th, 25th	298·9	*298·7*	+0·9	203	− 12
826*a*	Cayenne	4 56	52 21	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
831	10°—5° N 30°—25°W	††7 6	††27 21	§(28)	..	1012·7	+ 0·7	..	..	Sea Temp.	298·4	—0·3	..	..	..	..	..	..
833	Konakri	9 31	13 4	16	..	..	..	302·3	305·0	16, 17, 27	296·0	294·0	2nd	299·2	*298·8*	−0·3	0	− 1
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·0	1010·9	+ 0·1	304·8	306·9	18th	296·3	293·0	2nd	300·6	*299·7*	+0·2	0	− 10
835	Assuantsi	5 18	1 15	101	..	..	..	303·3	304·7	31st	293·6	289·7	5th	298·4	*297·8*	..	61	..
836	Accra	5 33	W 0 12	25·1	1006·7	1009·6	..	303·6	305·8	6th, 23rd	296·0	291·3	5th	299·8	*299·3*	+0·3	6	− 11
837	Lagos	6 27	E 3 24	4·6	1010·2	1010·8	− 0·6	303·6	305·3	18th	296·7	293·6	12th	300·1	*299·6*	−0·1	15	− 12
839	Zungeru	9 48	6 10	130	..	..	..	308·2	310·8	19th	289·8	287·4	25th	299·0	*298·7*	−0·9	0	− 1
841	Yola	9 12	12 30	359	..	..	..	307·4	311·3	18th	..	..	..	..	‡*297·7*	−1·1	0	0
	Wau	7 42	28 3	440	..	..	..	312·1	312·5	sev. dates	288·8	285·0	27th	300·4	*297·6*	−0·9	0	− 1
843	Malakal (Kodok)	9 35	31 37	394	964·4	1008·6	− 0·3	309·3	312·3	10th	289·9	287·2	27th	299·6	*298·5*	+0·3	0	0
843*a*	Mongalla	5 11	31 47	439	958·0	1006·2	− 0·4	?310·8	?313·5	3rd	292·6	289·5	1st	?301·7	*?301·2*	+1·3	0	− 2
844	Entebbe	0 5	32 29	1171	882·7	1008·7	− 0·6	299·5	301·7	17th	290·1	286·6	2nd	294·8	*294·2*	−0·3	58	− 8
851	Minicoy	8 17	72 49	2·1	1013·1	1013·3	+ 0·3	..	..	..	..	..	..	..	..	..	18	− 25
852

JANUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1 S.	155 1 W.	7·9	1009·3	1010·2	+ 0·7	..	..	..	..	..	..	..	*300·2*	−0·3	1	−103
924	Manaos	3 8	60 1	43·8	..	..	..	303·3	306·6	28th	296·1	294·6	25th	299·7	*298·9*	−0·8	353	+137
926	Taperinha	2 30	54 20	20·0	1008·0	1010·2	− 0·5	303·6	305·8	2nd	295·4	294·0	7th	299·5	*298·2*	+0·1	223	..
927	Turyassu	1 43	45 26	15·1	1008·2	1010·0	− 0·5	304·4	306·0	28th	295·9	294·5	17th	300·2	*299·6*	+0·4	60	−140
928	Barra do Corda	5 30	45 16	81·0	999·5	1008·9	− 1·0	303·4	305·8	2nd	294·4	292·6	31st	298·9	*297·8*	−0·5	100	− 30
929	Quixeramobim	5 16	39 15	207	987·5	1010·7	− 0·1	307·3	308·4	2nd	298·7	297·4	27th	303·0	*301·9*	+0·7	6	− 77
930	Fernando Noronha	3 50	W32 25	106	999·2	1011·0	− 0·6	301·8	302·5	13th	297·4	295·5	23rd	299·6	*298·9*	+0·5	31	− 51
939	Loanda	8 49	E13 13	59·3	..	1012·6	+ 1·7	299·1	301·0	8th	295·2	294·0	1st	297·1	296·8	−1·3	0	− 27
940	Brazzaville	4 17	15 16	320	976·5	1012·6	+ 1·1	303·4	309·0	13th	293·8	292·0	10th	298·6	*298·0*	−0·5	159	+ 55
943	Masaka	0 21	31 47	‡1280	..	..	..	304·2	306·9	25th	..	..	..	..	*293·2*	+0·1	46	− 3
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	300·2	302·4	17th, 30th	285·2	279·7	3rd	292·7	..	..	53	− 70
944a	Zanzibar	6 10	39 11	21·9	1009·6	1012·0	− 0·9	303·5	305·2	13th	299·7	298·4	22nd	301·6	*301·2*	+0·4	0	− 75
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	304·1	11th	297·4	295·8	20th	299·7	*299·3*	−0·6	0	− 1
947	Seychelles, Port Office	4 37	55 27	4·6	1010·2	1010·8	− 0·5	..	..	..	298·3	294·9	1st	..	‡*301·3*	+0·9	138	−291
957	Padang	0 56	100 22	6·7	..	1010·0	− 1·3	..	..	..	..	..	..	..	..	..	500	+155
958	Batavia	6 11	106 50	8·0	1008·3	1009·2	− 0·7	302·4	304·4	27th	296·6	295·8	15th	299·5	299·0	+0·5	182	−440
958a	Pontianak	0 1	109 20	2·6	..	1010·4	0·0	..	..	..	..	..	..	..	..	..	223	− 50
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	178	− 74
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	366	− 90
962	Amboina	3 42	128 10	4·2	..	1008·2	− 0·7	..	..	..	..	..	..	..	..	..	59	− 71
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	1007·6	− 1·2	304·0	..	..	297·1	..	..	300·6	*300·1*	+0·2	200	−142
966	Port Moresby	9 29	147 9	39·0	..	1008·7	+ 0·5	305·2	..	..	297·7	..	..	301·4	*300·9*	+0·5	53	−135
967	Rabaul	4 9	152 12	20·7	..	1007·1	..	304·8	306·9	21st, 30th	296·2	295·1	23rd	300·5	*299·9*	+0·2	282	−191
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	411	−180
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1007·4	1007·6	+ 0·6	304·7	306·6	31st	298·1	297·0	14th	301·4	*301·2*	+0·4	213	−124
970	Ocean Island	0 52 S.	169 35 E.	54·0	999·8	1005·9	− 1·0	302·9	304·7	2nd	297·3	295·8	27, 30, 31	300·1	*299·5*	−0·8	443	+157

JANUARY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1008·0	+ 0·1	302·5	305·1	17th	297·7	296·3	22nd	300·1	299·8	+0·6	542	+109
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·6	306·3	14th	296·8	293·0	7th	300·2	*300·0*	+0·5	139	−120
1021	Arequipa	16 22	71 33	2451	760·6	..	+ 0·2	293·6	297·4	24th	283·4	280·2	15th	288·5	*287·4*	+0·8	36	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	287·7	284·0	17th	..	*294·2*	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	726·4	..	..	288·8	295·0	31st	280·5	276·8	27th	284·7	*284·6*	..	172	+ 11
1025	Corumba	18 59	57 39	116	994·6	1007·6	− 0·2	304·7	310·2	4th	295·0	292·0	26th	299·8	*299·4*	−0·5	209	+ 23
1026	Cuyaba	15 36	56 6	165	990·1	1008·8	+ 0·5	304·3	307·0	4th, 9th	295·5	293·8	25th	299·9	*298·8*	−1·3	250	−160
1027	Bello Horizonte	19 55	43 57	895	912·7	1010·2	− 1·1	302·4	305·2	4th, 31st	292·0	286·8	11th	297·2	*296·5*	+1·5	79	−132
1028	Caetite	14 3	42 37	897	915·1	1012·9	+ 0·8	300·9	303·1	24th	291·1	289·0	24th	296·0	*296·9*	+0·7	5	− 17
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·1	1012·4	0·0	302·0	302·9	26th	296·6	295·8	19th, 23rd	299·3	*299·0*	+0·4	21	− 6
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St Helena	15 57	W 5 40	‡604	945·7	1014·2	+ 1·2	297·0	299·7	29th	286·8	284·7	2nd	291·9	*291·8*	+0·9	70	− 5
1039	Mossamedes	15 12	E12 9	12·5	..	..	..	297·4	300·8	6, 8, 9	290·9	288·8	16, 18, 20	294·1	*294·0*	..	0	− 5
1041	Elisabethville	11 39	27 28	1236	876·3	1008·1	+ 0·4	302·2	304·8	20th	289·0	287·5	25th, 28th	295·6	..	+0·5	181	−158
1042	Gwelo	19 28	29 48	1417	860·0	1009·3	− 0·1	303·5	308·0	19th	288·2	283·0	4th	295·8	..	+1·0	12	−158
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡851·2	‡1005·8	− 1·3	305·2	308·3	19th	284·9	278·6	4th	295·1	*294·1*	+1·2	20	−172
1044	Zomba	15 23	35 18	955	903·7	1006·9	− 1·3	301·3	305·8	18, 20, 31	290·9	288·6	4th	296·1	*296·3*	+0·4	24	− 2
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	275	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	114	..
1048	Antalaha	14 58	50 19	3	..	1005·0	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·4	1010·9	− 0·6	303·1	304·7	8th, 19th	297·6	294·9	27th	300·3	*299·9*	−0·1	172	+ 53
1057	Christmas Island	10 25	105 43	5·5	1006·7	1007·5	− 0·4	305·1	306·9	..	297·4	296·3	..	301·3	*300·3*	+0·9	89	−139
1061	Kupang	10 10	123 34	45·1	..	1008·3	− 0·5	303·6	305·9	13th	297·0	295·4	6th	300·3	299·7	..	443	+255
1061a	Derby	17 18	123 40	16·2	1004·9	1006·7	− 0·2	308·6	311·7	17th	300·1	296·9	28th, 31st	304·3	..	+1·0	19	−178
1062	Hall's Creek	18 13	127 46	374	964·0	1005·3	− 1·1	311·4	315·6	21st	297·6	291·9	17th	304·5	*304·0*	+1·2	77	−153
1063	Darwin	12 28	130 51	29·6	1002·9	1006·3	+ 0·3	305·4	308·8	7th	298·3	295·8	13, 19, 31	301·9	*300·9*	+0·1	585	+255
1064	Daly Waters	16 16	133 23	211	979·3	1002·5	− 2·4	310·4	314·7	12th	297·8	293·0	18th	304·1	*303·6*	+0·9	171	+135
1065	Mein	13 13	142 47	122	991·4	1005·2	− 0·4	304·5	306·9	23rd	295·9	293·1	22nd	300·2	..	−0·4	303	..
1066	Georgetown, Queensland	18 22	143 32	302	973·2	1006·8	+ 0·2	306·7	309·4	10th	295·9	293·6	25th	301·3	..	+0·2	112	..
1066a	Willis Island	16 18	149 59	8·5	1005·0	1006·0	..	302·8	304·7	7th	298·9	296·3	3rd	300·9	*300·6*	..	261	−231
1067	Samarai	10 37	150 40	15·2	..	1007·5	− 0·2	304·1	..	..	297·9	..	..	301·0	*300·8*	+0·2	149	−231
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1006·8	1007·4	− 1·5	303·4	305·8	26th, 31st	295·3	293·0	8th	299·3	*299·1*	−0·3	639	+371
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	a.	a.

*For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JANUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12 S.	159 47 W.	6	..	..	..	301·7	305·2	30th	295·9	293·6	6th	298·8	*298·6*	0·0	186	− 56
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·8	1014·0	− 0·5	293·1	296·0	29th	288·1	286·5	13th	290·6	*290·4*	+0·5	0	0
1122	Iquique	20 12	70 11	9	1011·6	1012·6	− 1·0	297·7	301·0	28th	289·8	288·7	9th	293·7	*293·9*	−0·1	0	0
1123	Catamarca	28 27	65 47	510	950·2	1006·8	+ 0·4	306·4	314·3	1st	291·5	285·5	29th	298·9	297·5	−2·3	105	+ 30
1124	Salta	24 46	65 28	1178	877·5	1005·5	− 3·3	301·3	305·0	1st	289·4	285·0	16th	295·3	294·4	−0·6	127	− 45
1125	Goya	29 9	59 15	26	1005·2	1008·2	+ 0·5	306·4	312·9	1st	293·1	285·5	7th	299·7	298·9	+0·2	70	− 45
1126	Asuncion	25 21	57 37	93	998·2	1008·7	+ 0·6	309·6	315·5	2nd	294·1	288·5	8th	301·8	300·2	+0·2	217	+ 78
1127	Curityba	25 25	49 17	908	910·6	1010·5	− 1·0	298·3	305·9	1st	289·5	286·3	10th	293·9	*292·8*	−0·5	367	+196
1128	Rio de Janeiro	22 54	W43 10	61·4	1003·8	1010·9	− 0·1	302·5	307·2	7th	295·9	293·7	13th	299·2	298·9	+0·5	80	− 46
1139	Windhoek	22 34	E17 5	1669	..	..	..	303·7	307·4	15th	290·9	287·6	12th	297·3	*297·3*	+0·8	62	− 30
1140	Kimberley	28 42	24 47	1202	879·2	1006·4	− 0·3	306·3	311·2	4th	290·3	286·4	13th	298·3	298·2	+1·0	82	+ 20
1141	Johannesburg	26 11	28 4	1806	821·9	1010·0	+ 0·4	299·5	302·4	18th	287·1	282·5	1st	293·3	*292·8*	+1·1	66	− 91
1141a	Bulawayo	20 9	28 35	1340	866·3	1008·5	− 0·2	303·0	307·1	19th, 26th	288·4	283·0	4th	295·7	*295·2*	+0·8	36	−114
1142	Durban	29 52	31 3	15·2	1012·8	1014·5	− 0·2	301·6	304·8	28th, 29th	294·2	291·0	22nd	297·9	*297·5*	+0·6	43	− 73
1143	Lourenço Marques	25 58	32 36	59	..	1012·2	− 0·2	303·3	306·2	8th, 17th	294·8	290·2	3rd	299·1	298·7	+0·3	13	−114
1144	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	42	..
1145	Fort Dauphin	25 2	46 58	25	..	1007·0	..	..	..	..	..	..	..	..	..	..	..	..
1146	Mauritius	20 6	57 33	55·2	1000·7	1007·0	− 4·9	302·4	304·9	4th	295·8	292·4	2nd	299·1	298·7	−0·3	847	+650
1147	Onslow	21 43	114 57	4·3	1004·4	1005·1	− 0·9	310·6	319·2	23rd	295·2	292·0	27th	302·9	..	0·0	0	− 24
1159	Cue	27 27	117 52	454	956·4	1005·6	− 1·8	310·9	316·2	16th	294·6	289·1	6th	302·8	..	−0·4	0	− 26
1160	Nullagine	21 53	120 5	386	961·5	1003·3	− 2·0	314·7	318·2	3rd	297·2	291·3	17th, 18th	305·9	..	+1·1	39	− 33
1161	Laverton	28 40	122 23	466	956·7	1008·0	− 1·6	310·1	319·1	20th	293·3	286·2	5th	301·7	301·4	+0·4	3	− 23
1162	Alice Springs	23 38	133 37	587	940·7	1004·7	− 2·5	308·9	315·2	22nd	293·2	287·4	9th	301·1	*301·1*	−0·4	12	− 33
1163	William Creek	28 55	136 21	760·2	999·4	1008·0	− 1·6	308·3	315·8	11th	291·3	285·2	25th	299·8	*299·4*	−1·4	0	− 14
1164	Boulia	22 55	139 38	146	987·2	1003·3	− 1·8	312·9	317·7	23rd	297·1	292·6	3rd, 4th	305·0	*305·0*	+1·2	13	− 41
1165	Thargomindah	27 58	143 43	123	991·2	1004·9	− 2·3	309·3	315·9	12th	294·8	288·8	26th	302·1	*301·7*	−0·6	0	− 36
1166	Mitchell	26 32	147 52	336	968·4	1006·1	..	305·8	311·9	27th	290·7	283·0	26th	298·3	..	−1·2	37	− 49
1167	Rockhampton	23 24	150 30	11·3	1005·0	1006·2	− 3·2	306·3	310·8	27th	295·7	291·3	22nd	301·0	..	+1·1	111	−121
1168	Brisbane	27 28	153 2	41·7	1002·6	1007·3	− 4·2	304·0	310·4	29th	293·9	289·3	2nd	299·0	*298·2*	+0·9	176	+ 17
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1006·8	1008·4	− 4·8	298·3	301·9	3rd	292·2	287·4	22nd	295·2	*294·8*	+0·2	145	+ 53

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	294·7	297·0	29th	287·1	284·5	2nd	290·9	*291·4*	−0·4	61	+ 39
1221a	Punta Tumbes	36 37	73 6	120	998·8	1013·1	− 1·9	291·5	294·0	8th, 18th	283·8	282·0	22nd	287·7	*287·6*	−0·4	21	+ 18
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·0	1012·9	− 1·6	294·4	297·2	21st	286·5	283·0	3rd	290·5	*290·0*	−1·0	0	0
1222a	Santiago	33 27	70 42	520	952·3	1011·3	− 0·7	302·1	306·0	25th	284·5	281·2	4th	293·3	*292·2*	−0·4	0	− 1
1223	Cordoba	31 25	64 12	423	961·1	1008·7	− 0·2	303·5	308·5	..	288·5	280·8	..	296·0	295·9	−0·3	85	− 22
1224	Bahia Blanca	38 45	62 15	25	1006·6	1009·5	− 1·6	303·6	311·0	19th	290·3	283·0	13th	296·9	296·4	+0·2	71	+ 20
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1008·3	1011·2	− 0·3	301·4	307·2	20th	289·8	283·0	13th	295·6	295·7	−0·4	123	+ 44
1226	Montevideo (Obs. Central)	34 55	56 13	24‡3	..	1009·1	− 2·3	298·5	306·4	20th	291·7	286·3	14th	295·1	*295·4*	0·0	27	− 41
1226a	Porto Alegre	30 2	W51 13	23·5	1005·5	1008·2	− 3·2	303·0	312·3	1st	292·6	288·2	8th	297·8	297·1	−0·4	39	− 78
1239	Cape Town	33 56	E18 29	12·2	..	1012·7	− 0·7	299·1	306·3	4th	287·6	282·4	17th	293·3	*291·9*	−0·8	42	+ 24
1240	Danger Point	34 37	19 18	27·7	1003·9	1007·2	..	293·2	295·8	3rd, 28th	287·3	284·7	18th	290·3	..	−1·2	140	+109
1241	Riversdale	34 6	21 16	30·5	..	..	..	..	..	..	..	..	..	..	..	..	73	+ 44
1242	East London	33 1	27 54	9·8	..	1013·2	+ 0·3	297·7	303·0	17th	290·7	286·3	22nd	294·2	..	+0·1	84	+ 23
1259	Perth (Observatory)	31 57	115 51	60·0	1005·0	1012·3	− 0·4	300·9	310·5	14th	289·4	285·6	6th	295·2	*294·7*	−1·1	3	− 5
1260	Katanning	33 42	117 35	310	977·0	1012·9	− 0·3	300·9	310·5	16th	286·3	279·3	3rd	293·6	..	−1·2	2	− 8
1261	Coolgardie	30 57	121 10	423	961·9	1009·1	− 2·3	307·2	315·9	16th	289·7	281·9	6th	298·4	*298·1*	+0·2	0	− 12
1262	Eucla	31 45	128 58	4·6	1010·1	1010·7	− 2·6	297·2	316·0	17th	288·4	283·6	5th	292·8	*292·1*	−1·7	15	0
1263	Streaky Bay	32 48	134 13	13·1	..	1010·6	− 2·8	301·4	312·9	17th	287·6	281·9	14th	294·5	*293·7*	−0·4	15	+ 4
1264	Adelaide	34 56	138 35	42·7	1004·9	1009·9	− 3·1	299·9	312·3	18th	288·3	282·9	14th	294·1	*293·5*	−2·2	56	+ 37
1265	Melbourne	37 49	144 58	35·1	1005·0	1009·0	− 3·9	298·7	311·1	22nd	286·8	281·8	7th	293·8	*292·4*	+0·1	30	− 17
1266	Bourke	30 13	145 58	110	997·3	1009·8	− 2·5	308·6	315·8	27th	291·8	286·3	26th	300·2	..	−2·2	5	− 33
1267	Sydney	33 51	151 13	40·5	1002·9	1007·6	− 4·8	298·9	309·1	5th	290·4	286·6	26th	294·7	..	−0·4	178	+ 83
1268	Lord Howe Island	31 20	159 0	4·6	1006·7	1007·3	− 5·6	299·3	302·0	8th	292·4	288·5	26th	295·8	..	+0·2	156	+ 31
1271	Auckland	36 50	174 50	38·1	..	1010·5	− 2·3	296·5	299·7	23rd	289·4	286·9	18th, 19th	292·9	..	+0·7	99	+ 32
1272	Napier	39 32 S.	176 53 E.	21·3	..	1012·6	+ 1·0	295·2	303·6	8th	286·9	284·1	6th	291·0	..	−0·9	252	+190

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52 S.	176 42 W.	45·7	..	1010·4	..	..	..	..	..	..	..	..	..	..	75	+ 17
1321	Isla Guafo	43 34	74 45	140	999·9	1016·7	+ 0·7	287·5	291·5	24th	283·0	280·0	5th	285·3	*285·0*	−0·7	27	− 37
1322	Punta Galera	40 1	73 44	40	1011·0	1015·8	− 0·5	287·6	292·0	7th	282·5	280·4	22nd	285·1	*285·9*	−1·7	76	+ 12
1323	Sarmiento	45 30	69 0	274	976·2	1006·2	− 2·2	297·5	306·2	13th	282·5	277·4	6th	290·0	290·0	−1·1	3	− 1
1324	Punta Madryn	42 49	W64 58	14	1008·8	1010·2	+ 1·4	300·3	310·3	20th	286·3	282·0	15th	293·3	292·5	−0·5	15	0
1365	Launceston	41 27	E147 10	10·1	1006·6	1007·6	− 4·0	297·9	306·1	6th, 22nd	284·9	279·2	24th	291·4	*290·3*	+0·4	26	− 20
1366	Hobart	42 53	147 20	53·9	1001·9	1008·4	− 1·7	294·1	307·3	18th	285·1	280·1	30th	289·6	*288·5*	−0·2	66	+ 21
1370	Invercargill	46 25	168 21	3·7	..	..	..	292·8	301·9	7th	282·1	275·8	12th	287·4	..	+0·4	86	− 15
1371	Dunedin	45 52	170 31	91·4	..	1015·5	+ 5·6	291·1	301·3	6th	283·7	280·2	2, 4, 11	287·4	..	0·0	121	+ 34
1371a	Christchurch	43 31	172 39	7·6	..	1014·1	+ 2·8	292·4	303·1	7th	284·7	279·6	18th	288·6	..	−0·7	49	− 7
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1014·9	+ 2·3	293·1	296·9	31st	285·8	281·3	30th	289·4	..	−0·5	17	− 68
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

JANUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	997·0	1003·7	+ 1·4	282·4	284·9	26th	279·0	277·4	30th	280·7	*280·7*	—1·0	307	+ 2
1422	Puerto de Punta Arenas	53 10	70 54	28	997·1	1000·5	0·0	286·6	290·0	24th	279·7	276·6	31st	283·1	*283·4*	—0·8	24	— 80
1423	Punta Dungeness	52 24	68 26	5	999·5	1000·1	0·0	287·6	292·0	13th	280·0	278·0	31st	283·8	*283·7*	—1·1	..	..
1424	Santa Cruz	50 11	68 21	12	1001·7	1002·7	— 1·7	294·7	304·3	13th	281·6	276·4	21st	288·1	288·0	+0·1	16	..
1424a	Año Nuevo‡	54 39	64 8	50	..	..	..	286·0	290·4	7th	277·7	275·2	30th	281·9	*281·9*	+0·7	103	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	996·5	999·1	— 0·6	285·4	289·7	9th, 22nd	278·1	274·7	30th	281·7	282·5	—0·2	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	992·4	992·9	— 1·1	281·6	287·1	18th	274·4	271·5	12th	278·0	*278·3*	+0·3	200	+113
		S.	W.															

JANUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44	44 39	7	987·2	988·1	— 2·6	275·0	277·0	13th, 27th	272·2	270·7	5, 6, 11	273·6	273·4	+0·3	42	+ 4
		S.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JANUARY 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SE	4·8	ESE 4	Calm 0 Calm 0	SE 1 S 1	ENE 4 ..	..	E 3 E 2	SE 2
2	SE	7·9	SE 3	NE 1 Calm 0	E 1 S 1	ENE 4 ..	..	E 3 E 4	ENE 2
3	SE	7·6	ESE 2	Calm 0 Calm 0	SE 1 E 1	ENE 4 ..	..	E 3 E 3	Calm 0
4	SSE	8·7	ESE 2	NE 1 Calm 0	SE 1 SE 1	ENE 4 ..	SE 2	E 3 E 3	SE 2
5	SE	7·4	SE 3	Calm 0 Calm 0	S 1 SE 1	ENE 4 ..	Calm 0	E 2 E 2	ENE 4
6	SE	8·1	ESE 4	Calm 0 Calm 0	E 1 W 1	ENE 4 ..	Calm 0	ENE 1 NE 3	NNE 3
7	SE	8·1	ESE 3	Calm 0 Calm 0	S 2 SE 1	ENE 3 ..	Calm 0	ENE 1 N 1	NNE 5
8	SE	11·5	Calm 0	Calm 0 Calm 0	SE 1 S 1	E 4 ..	Calm 0	Calm 0 Calm 0	Calm 0
9	SE	9·4	ESE 4	NE 1 SW 1	S 1 SE 1	E 4 ..	..	W 2 W 2	SE 3
10	SE	9·0	ESE 3	Calm 0 Calm 0	S 1 S 1	E 4 ..	NW 2	WNW 2 NE 3	ENE 3
11	SE	8·2	SE 2	NE 1 Calm 0	SE 1 S 1	E 4 ..	NW 2	SW 4 W 3	SE 2
12	SE	7·4	ESE 2	Calm 0 SW 1	E 2 SE 1	E 5 ..	Calm 0	NNW 4 NW 3	SE 2
13	SE	5·9	SE 3	Calm 0 Calm 0	SE 1 SE 2	E 5 ..	Calm 0	NNW 3 NW 3	SE 4
14	SE	6·4	ESE 4	Calm 0 SW 1	SW 1 S 1	EbyS 5 ..	Calm 0	NNW 2 Calm 0	S 1
15	SE	8·1	ESE 6	W 1 Calm 0	SE 1 E 2	EbyS 5 ..	Calm 0	Calm 0 E 1	SE 4
16	SE	10·2	ESE 4	W 1 SW 1	E 1 SE 2	E 4 ..	..	E 1 E 3	NE 3
17	SE	10·4	ESE 3	ENE 1 S 1	SE 1 S 1	E 4 ..	Calm 0	E 3 E 4	NNE 2
18	SE	4·3	SE 1	Calm 0 Calm 0	SE 2 SE 1	EbyN 3 ..	NW 6	E 4 E 2	NNE 2
19	SE	3·8	ENE 1	E 1 SW 2	SE 2 SE 1	ENE 2 ..	Calm 0	E 3 E 2	N 1
20	SE	6·6	E 1	Calm 0 SW 1	SE 1 SE 1	ENE 2 ..	NW 2	E 3 E 3	N 2
21	SE	7·5	ESE 4	NE 1 SW 1	S 1 SE 1	NE 3 ..	NW 2	ENE 3 ENE 4	N 2
22	SE	8·7	ENE 3	Calm 0 SW 1	SE 1 W 1	E 4 ..	Calm 0	NE 3 NE 3	Calm 0
23	SE	7·7	ESE 5	Calm 0 Calm 0	SW 1 SE 1	E 4 ..	..	E 4 NNE 4	Calm 0
24	SE	6·6	Calm 0	Calm 0 SW 1	S 1 S 1	E 4 ..	NW 2	E 2 NE 5	N 3
25	SE	7·2	ESE 1	NE 1 SW 2	S 1 S 2	EbyN 4 ..	Calm 0	NE 4 Calm 0	SW 3
26	SE	7·8	SE 3	Calm 0 SW 2	S 2 S 1	ENE 4 ..	Calm 0	NE 4 NE 5	SW 2
27	SE	4·3	ESE 3	NE 1 SW 1	S 1 S 2	ENE 3 ..	NW 2	NE 3 E 1	S 2
28	SE	3·6	ESE 2	NE 1 SW 1	SE 1 S 1	E 3 ..	Calm 0	Calm 0 Calm 0	Calm 0
29	SE	6·1	ESE 2	Calm 0 SW 1	S 1 SE 1	E 3 ..	SE 2	S 3 Calm 0	Calm 0
30	SE	10·8	ESE 3	Calm 0 SW 3	SE 1 S 1	E 3 ..	..	E 1 E 1	Calm 0
31	SE	10·4	SE 3	NE 1 SW 1	SE 1 S 1	E 3 ..	SE 2	Calm 0 E 4	Calm 0
Mean	..	7·6	2·7	0·4 0·7	1·2 1·2	3·7 ..	1·0	2·3 2·3	1·8
§Resultant	135° (98)	..	115° (84)	220° (12)	155° (81)	80° (95)	315° (12)	65° (52)	95° (27)
§Normal	142° (92)	7·3	‖105° (75)	22° (9)	265° (35)	71° (78)	322° (14)	‖88° (27)	89° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JANUARY 1922.

‡‡*Barents Sea.*—The sea round Bear Island was free of ice throughout the month except on the 1st, when young ice was observed towards the north.

‡‡*Spitsbergen.*—There was firm ice in the fjords on the west coast except in the Icefjord, which was open.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 3 days visible, 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—The sea round Jan Mayen was free of ice. At Angmagsalik there was a broad land water at first, but later it grew narrower, and out at sea there was "Storis" everywhere.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being three. The Gulf of St. Lawrence was full of ice and there was pack ice everywhere in Belle Isle Strait and off Belle Isle.

‡‡*Davis Strait.*—A new mass of "Storis" was observed at Cape Farewell on the 4th, but from the 6th the sea here was free of ice. In Julianehaab Bay the "Storis" was lying far offshore, and at Arsuk it stayed until the 10th, when the sea became free of ice. At Sukkertoppen there was winter ice from the 6th to 26th, when it drifted out to sea. Between Holstenborg and Umanak the winter ice became passable from about the 15th.

‡‡ *Isforholdene i de Arktiske Have, 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, FEBRUARY 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF FEBRUARY 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **FEBRUARY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1022·7	..	252·4	268·6	23rd	241·6	230·2	6th	247·0	..	—0·9	9	+ 3
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1002·4	1005·0	— 3·8	246·8	255·3	25th	241·9	233·0	18th	244·3	*244·1*	—6·0	12	— 1
125	Jan Mayen	70 59	W 8 18	23·1	993·7	996·6	..	..	274·7	6th	269·2	260·7	15th	..	271·2	..	33	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1002·2	1003·7	— 5·7	..	273·6	7th	256·1	242·6	12th	..	260·6	+9·3	28	— 5
139	Björnöen	74 28	19 15	40·5	998·2	1003·3	..	..	..	..	268·4	..	..	..	*270·2*	..	78	..
140	Gjesvaer	71 6	25 22	6·5	1004·2	1005·0	+ 2·2	..	277·4	12th	268·7	261·6	22nd	..	*270·7*	+2·0	60	0
141	Mehavn	71 1	27 47	4·6	1004·6	1005·2	+ 2·6	..	275·8	10th	266·9	259·9	21st	..	*269·6*	+2·1	71	+ 11
142	Vardö	70 22	31 8	6·8	1004·7	1005·6	— 0·4	..	275·6	10th	265·9	255·1	3rd	..	*269·2*	+2·1	57	— 14
143	Malye Karmakouly	72 23	52 43	14·8	1007·0	1008·9	+ 0·6	262·2	274·1	8th	..	..	..	..	*258·1*	+1·2	27	+ 21
147	Walgatz	70 24	58 47	11·2	1008·8	1010·3	0·0	258·3	272·9	8th	248·5	237·1	13th	253·4	*254·1*	..	11	..
148	Dickson	73 30	80 23	13	1016·4	1018·2	..	240·8	256·2	28th	237·0	232·3	8th	238·9	..	..	5	..
153		N.	E.															

Between Latitude 70° N. and 60° N. **FEBRUARY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1017·6	+ 5·4	264·0	274·1	24th	255·3	236·9	5th	259·7	*259·4*	+1·4	68	+ 44
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1023·7	+ 5·8	258·2	271·9	23rd	248·3	230·2	6th	253·3	*253·3*	+0·8	10	— 9
206	Rampart	65 30	150 15	122	..	..	..	256·7	269·1	23rd	246·3	231·9	8th	251·5	..	+0·4	19	+ 1
207	Valdez	61 7	146 16	8·2	..	1015·9	+ 5·9	272·6	283·6	17th	263·0	253·0	11th	267·8	*267·2*	+0·7	19	— 98
208	Eagle	64 46	141 12	254	..	1026·7	+ 9·2	256·5	264·7	24th	247·7	225·2	7th	252·1	*251·7*	—0·9	2	— 7
209	Dawson	64 4	139 20	328	985·8	1032·0	+12·0	248·6	258·6	28th	239·1	225·8	10th	243·8	..	—5·1	8	— 10
210	Carcross	60 11	134 34	662	..	..	..	259·4	273·6	2nd, 4th	245·0	231·9	9, 11, 12	252·2	..	—5·1	3	— 19
211	Fort Good Hope	66 15	128 31	65·2	1016·6	1026·1	..	251·0	274·1	23rd	240·3	225·8	10th	245·7	..	..	11	— 2
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	1003·4	1025·7	+ 4·6	254·9	268·0	24th	240·7	228·6	11th	247·8	..	—1·1	6	— 7
225	Jacobshavn	69 13	51 2	12·6	1000·7	1002·4	— 4·0	249·2	263·3	22nd	240·9	236·0	11th	245·1	*245·3*	—8·5	1	— 6
226	Godthaab	64 11	51 43	9·0	992·7	993·9	— 7·2	260·3	271·2	25th	254·7	246·6	8th	257·5	*257·9*	—5·0	2	— 44
227	Ivigtut	61 12	48 10	13·0	991·0	992·7	— 8·0	264·0	275·4	21st	256·3	246·5	8th, 9th	260·1	*259·2*	—6·4	8	— 61
229	Angmagsalik	65 37	37 33	31·7	981·1	985·1	—18·4	269·4	275·8	23rd	262·8	254·0	2nd	266·1	*266·3*	+4·0	106	+ 56
231	Stykkisholm	65 5	22 46	25	980·3	983·4	—17·4	275·7	280·0	5th	271·1	265·8	13th	273·4	*273·2*	+2·9	130	+ 65
232	Vestmanno	63 24	20 17	132	968·3	984·3	—15·6	277·4	280·4	6th	272·9	267·9	14th	275·1	*274·9*	+1·3	134	+ 11
233a	Grimsey	66 33	18 1	22·0	..	..	..	..	275·8	27th	272·4	269·2	15th	274·1	*273·8*	+3·7	..	..
234	Akureyri	65 40	18 5	35	..	986·8	—15·8	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	986·7	988·9	—13·3	277·1	281·2	11th	272·6	266·7	14th, 15th	274·9	*274·8*	+3·0	234	+134
236	Thorshavn	62 3	6 45	26·3	992·6	995·8	— 9·6	279·2	282·0	10th, 11th	274·5	270·5	14th	276·9	*277·1*	+1·0	149	+ 15
237	Lerwick	60 9	W 1 11	46·9	997·3	1003·1	— 4·2	278·3	282·4	25th	275·2	272·4	4, 14, 15	276·8	*277·2*	+0·3	82	+ 2
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·2	1008·8	— 2·5	276·1	281·5	25th	271·5	262·5	5th	273·8	*274·0*	—0·2	131	— 2
239	Aalesund	62 28	0 10	6·3	1005·5	1006·3	— 2·9	..	283·8	11th	..	..	..	..	*275·5*	+0·4	48	— 44
240	Trondhjem	63 26	10 25	39·5	1003·3	1008·3	— 1·5	273·0	279·3	26th	266·4	255·4	5th	269·7	*270·2*	—0·5	14	— 53
241	Bodö	67 17	14 24	22·3	1004·1	1006·9	+ 1·3	..	278·8	12th	268·6	262·4	5th	..	*271·3*	+0·7	72	+ 3
242	Haparanda	65 50	24 9	9·2	1011·1	1012·3	+ 3·3	263·5	278·0	12th	256·4	236·5	4th, 5th	259·9	*260·2*	—1·1	19	— 9
242a	Helsingfors	60 10	24 57	11·7	1011·9	1013·5	+ 1·0	268·8	276·1	28th	264·3	250·7	4th	266·6	266·9	+0·5	25	— 12
243	Kuopio	62 54	27 40	90·3	1001·6	1013·4	— 0·1	266·5	276·2	26th	259·9	243·1	7th	263·2	*263·8*	+0·5	25	— 10
244	Kola	68 53	33 1	6·7	1007·9	1008·8	+ 1·1	266·2	276·6	10th	257·7	241·1	23rd	262·0	*262·2*	+0·8	14	— 2
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1013·0	1013·8	+ 2·9	263·2	273·6	26th, 27th	255·3	237·0	3rd	259·2	*259·4*	—0·9	23	+ 5
247	Mezen	65 50	44 16	14·9	1010·6	1012·5	+ 1·6	263·1	273·3	11th	255·3	236·3	2nd	259·2	*259·5*	+0·3	18	+ 11
248	Oust-Tsylma	65 25	52 18	? 68	1005·0	1014·1	+ 2·0	261·2	271·5	27th, 28th	253·7	232·2	15th	257·4	*257·5*	+0·1	11	— 5
249	Teherdyn	60 24	56 31	?177	996·3	1020·1	+ 2·2	259·3	267·4	11th, 12th	251·2	235·1	17th	255·2	*255·5*	—3·6	23	— 2
250	Berezov	63 56	65 4	39·5	1009·5	1015·0	— 1·2	..	268·0	9th	244·1	230·7	14th	..	*249·1*	—5·0	22	+ 10
251	Obdorsk	66 31	66 35	23·7	1011·9	1015·1	+ 0·1	252·0	268·4	8th	242·4	231·7	5th	247·2	*246·8*	—3·7	17	+ 9
252	Sourgout	61 15	73 24	? 40	1014·3	1019·9	+ 1·1	..	268·6	9th	237·7	218·6	14th	..	*245·0*	—8·2	17	+ 5
253	Doudinka	69 23	86 4	20	1018·2	1020·9	+ 6·4	..	259·5	28th	233·3	222·3	7th	..	*236·8*	—10·6	0	— 6
254	Touroukhansk	65 47	87 57	? 45	1015·2	1021·8	+ 1·4	..	260·2	28th	232·7	217·0	8th	..	*237·3*	—11·9	3	— 7
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	229·2	..	..	*235·5*	—6·5	4	— 4
262	Iakoutsk	62 1	129 43	98	1011·2	1025·8	— 0·9	..	252·0	9th	227·0	213·2	13th	..	*233·4*	—4·1	3	— 2
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272		N.	E.															
		°	°	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1015·2	+10·8	273·5	276·3	2nd, 6th	268·9	261·3	4th	271·2	..	+3·8	23	−23
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1013·9	+11·0	275·8	280·8	8th	270·8	266·9	26th	273·3	*273·2*	+0·4	71	−86
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	269·7	275·8	24th	262·9	246·9	5th	266·3	..	+3·0	14	−22
306	Kodiak (Radio)	57 46	152 22	6·1	..	1012·5	+ 6·8	275·4	279·7	18th	270·3	260·8	5th	272·9	*273·0*	+0·7	39	−84
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 17	††147 21	§(18)	..	1013·9	+ 8·1	..	..	277·4|0·0	..	..	..	..	276·3	0·0	..	..	..
309	Sitka	57 3	135 19	27·4	..	1014·2	+ 3·4	276·6	282·4	25th	267·7	259·7	8th	272·1	*271·4*	−2·1	72	−93
310	Prince Rupert	54 18	130 18	51·8	1007·8	1014·4	+ 3·3	275·8	281·3	28th	268·0	259·7	13th	271·9	*272·2*	−3·2	60	−155
311	Barkerville	53 2	121 35	1274	863·5	1018·9	+ 1·7	265·8	274·7	16th, 28th	254·7	242·4	10th	260·2	*259·8*	−5·4	123	−71
312	Kamloops	50 42	120 29	385	976·3	1026·2	+ 3·8	268·0	279·1	7th	258·6	249·1	14th	263·3	*263·3*	−6·5	17	−70
313	Calgary	51 2	114 2	1045	893·2	1024·3	+ 4·8	265·8	281·3	6th	251·3	240·8	13th	258·6	*258·0*	−5·2	5	− 9
314	Fort Chipewyan	58 42	111 10	218	994·9	1026·4	+ 5·7	255·1	270·2	28th	242·4	233·0	8, 11, 21	248·8	*249·3*	−2·3	..	− 3
315	Prince Albert	53 10	105 38	442	965·4	1024·6	+ 3·2	258·6	266·3	25th	247·4	236·3	13th	253·0	*252·7*	−2·6	13	− 2
316	Qu'Appelle	50 30	103 47	645	940·2	1025·4	+ 3·6	259·1	270·8	7th	246·9	234·1	11th	253·0	*252·5*	−3·4	29	+ 5
317	Minnedosa	50 15	99 50	515	956·3	1024·7	+ 2·3	259·1	265·2	25th, 28th	248·6	238·0	11th	253·8	*253·4*	−1·5	23	+ 2
318	Berens River	52 18	97 23	216	..	..	..	257·1	269·1	4th	245·7	234·7	24th	251·4	..	−1·4	38	+ 10
318*a*	Port Nelson	57 4	92 36	14·9	1018·3	1020·3	+ 2·3	250·2	259·1	28th	239·7	232·4	11th	244·9	..	−2·0	2	− 8
319	Fort Hope	51 33	87 49	‡260	984·7	1019·9	+ 1·7	258·0	268·0	1st	245·8	230·8	12th	251·9	*251·7*	−1·5	34	+ 15
320	Moose Factory	51 14	80 30	9·1	1017·0	1018·2	+ 1·2	260·8	271·9	1st	240·3	233·0	16th, 22nd	253·6	..	−0·3	39	+ 7
321	Fort George	53 50	79 5	97·5	..	..	..	253·8	266·3	2nd	241·7	228·0	22nd	247·7	..	..	..	+ 7
322	Mistassini Post	50 15	73 55	383	..	..	..	261·7	271·3	12th	245·4	228·6	17th	253·6	..	−0·9	53	+ 5
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	261·6	273·0	21st	248·0	237·4	26th	254·8	..	−3·9	70	+ 5
326	Belle Isle	51 53	55 23	133	992·0	1009·7	+ 3·8	261·1	271·3	3rd	252·8	241·9	18th	256·9	*256·8*	−4·0	..	.
										Sea Temp.								
333	53°—48° N. 20°—15° W.	††50 21	††17 27	§(39)	..	1002·7	..	..	..	283·8|−0·2	..	..	..	..	282·1	..	..	..
333*a*	62°—57° N. 20°—15° W.	††58 3	††17 7	§ (7)	..	..	..	..	..	281·3|0·0	..	..	..	278·5	..	..	..	+ 41
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1005·1	1006·8	− 5·9	282·7	285·8	23rd	278·6	274·7	21st	280·7	280·9	+1·1	170	+ 0
335	Aberdeen	57 10	W 2 6	26·8	1001·3	1004·6	− 5·7	278·8	285·8	24th	274·8	273·0	2nd, 5th	276·8	276·8	+0·2	49	+ 0
336	Greenwich	51 28	0 0	46·3	1007·4	1013·2	− 2·6	281·7	288·6	23rd, 25th	274·9	269·7	14th	278·3	278·2	+0·9	46	+ 5
337	Uccle	50 48	E 4 22	100	1002·9	1015·3	− 1·3	280·2	289·7	26th	272·2	261·3	5th	276·2	276·2	+0·1	52	+ 25
338	De Bilt	52 6	5 11	3·0	1014·5	1014·9	− 1·5	278·3	287·6	26th	270·6	259·0	5th	274·5	274·7	−0·8	69	+ 1
338*a*	Hamburg	53 33	9 58	40·3	1011·1	1016·2	+ 1·2	274·5	285·0	25th	269·9	258·6	5th	272·2	*272·3*	−1·8	38	+ 1
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1014·2	1014·8	+ 1·1	272·7	281·5	25th	268·7	259·3	5th	270·7	*271·2*	−2·3	16	+ 0
340	Potsdam	52 23	13 4	84·9	1007·0	1017·8	+ 1·7	275·2	288·2	26th	267·6	255·9	8th	271·4	271·0	−2·3	24	+ 1
340*a*	Uppsala	59 51	17 38	24	1009·4	1012·4	0·0	270·6	278·7	26th	264·9	250·1	8th	267·8	268·1	−0·1	33	+ 1
341	Warsaw	52 13	21 1	133	1001·6	1018·7	+ 0·7	272·1	284·0	27th	265·4	254·5	7th	268·8	269·2	−1·3	15	+ 1
342	Tartu (Dorpat)	58 23	26 43	74·5	1004·6	1014·2	+ 0·1	267·9	276·5	28th	263·4	248·4	7th	265·6	265·8	−0·6	33	+ 2
343	Petrograd	59 56	30 16	4·8	1013·8	1014·4	+ 0·3	267·1	275·2	27th	262·6	250·3	4th	264·8	*264·9*	−0·1	25	+ 2
344	Kiiv	50 27	30 30	183	994·7	1018·0	− 1·0	270·8	280·4	28th	264·2	250·2	6th	267·5	*267·6*	−0·7	40	− 1
344*a*	Moscow	55 50	37 33	167	997·0	1018·7	+ 0·1	267·2	276·8	28th	260·5	245·6	19th	263·8	*264·2*	+0·3	18	− 15
345	Saratov	51 33	45 57	?122	1006·6	1022·9	+ 0·9	262·5	270·4	24th	256·0	247·1	10th	259·2	*259·5*	−4·2	8	− 4
346	Kazan	55 47	49 8	79·9	1012·0	1022·7	+ 1·6	262·1	271·3	28th	255·5	241·3	16th	258·8	*258·6*	−2·9	13	− 2
347	Orenburg	51 45	55 6	109	1008·6	1023·4	− 1·8	259·1	271·9	3rd	250·2	236·0	16th	254·6	*254·7*	−4·3	5	− 3
348	Perm	58 1	56 16	163	1000·8	1022·7	+ 2·1	260·9	268·0	12th	252·4	234·3	17th	256·6	*256·4*	−3·3	23	+ 2
349	Sverdlovsk	56 50	60 38	281	985·8	1023·3	+ 2·0	261·3	269·1	22nd	251·2	235·1	18th	256·2	*256·0*	−3·9	13	.
350	Tobolsk	58 12	68 14	108	..	..	..	..	..	..	..	..	..	..	..	..	..	.
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	.
352	Omsk	55 13	73 22	?108	1007·8	1022·6	− 2·1	..	265·2	28th	248·8	234·1	18th	..	*253·0*	−2·3	11	+ 5
353	Barnaoul	53 20	83 48	162	1003·8	1025·7	− 4·2	260·7	270·0	5th	250·6	234·5	19th	255·6	*255·5*	−1·1	71	+ 13
354	Tomsk	56 30	84 58	122	1006·4	1023·1	− 3·8	..	266·7	27th	247·0	230·8	9th	..	*252·8*	−3·6	35	.
355	Minousinsk	53 43	91 41	248	991·6	1024·9	− 5·7	..	272·7	13th	248·8	232·4	21st	..	*254·9*	−0·3	6	.
356	Eniseisk	58 27	92 10	77·6	1012·6	1023·5	− 2·5	..	263·8	13th	239·3	223·8	9th	..	*247·2*	−7·6	16	.
357	Irkutsk	52 16	104 19	467	963·1	1025·4	− 6·3	259·8	268·5	15th	246·8	236·2	22nd	253·3	*253·3*	−1·4	17	.
358	Kirensk	57 47	108 7	263	988·3	1024·7	− 5·2	..	267·9	16th	240·4	225·7	9th	..	*247·5*	−3·2	21	.
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	.
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	.
361	Tygan Ourkan	54 5	124 46	379	971·1	1022·5	− 1·2	257·3	264·0	18th	242·7	232·9	14th	250·0	*250·0*	−1·4	13	.
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·0	1020·2	− 2·7	259·8	267·7	19th	249·5	239·7	1st	254·6	*254·7*	−0·2	12	.
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	.
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	266·6	272·6	13th	259·9	253·5	24th	263·2	*263·1*	+1·1	30	.
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1006·4	1015·2	− 1·4	279·1	284·1	16th	273·0	269·1	1st	276·1	275·9	−1·6	51	− 32
412	Portland, Oregon	45 32	122 41	46·6	1011·2	1016·6	− 1·7	280·5	286·3	6th	274·3	267·4	1st	277·4	*277·0*	−0·9	84	− 56
413	Macleod	49 44	113 24	953	..	..	..	264·7	278·6	7th, 17th	251·1	237·4	13th	257·9	*257·9*	−7·8	17	− 1
414	Helena	49 44	113 24	953	..	..	..	264·7	278·6	7th, 17th	251·1	237·4	13th	257·9	*257·9*	−7·8	17	− 1
414*a*	Salt Lake City	40 46	111 54	1329	866·7	1017·9	− 1·5	275·7	286·9	20th	267·8	260·8	28th	271·8	*271·9*	−1·8	60	+ 23
415	Cheyenne	41 8	104 48	1856	808·7	1017·6	− 0·6	274·4	286·3	21st	262·6	248·6	23rd	268·5	*268·6*	−1·4	22	+ 8
416	North Platte	41 8	100 45	859	918·0	1021·3	+ 0·7	276·3	289·1	17th	261·1	253·0	23rd	268·7	*268·2*	−0·9	1	− 12
416*a*	Bismarck	46 47	100 38	511	959·5	1024·4	+ 2·3	262·2	274·7	7th	250·6	240·8	24th	256·4	*256·5*	−3·9	39	+ 27
417	Winnipeg	49 53	97 7	232	991·4	1022·7	+ 1·0	260·8	268·6	25th	250·2	241·3	11th	255·5	*254·7*	+0·2	19	0
418	Duluth	46 47	92 6	345	975·4	1019·3	+ 0·7	264·3	275·2	10th	254·7	243·0	16th	259·5	*259·4*	−1·2	108	+ 82
419	Port Arthur	48 27	89 12	196	993·6	1019·4	+ 0·2	265·8	274·1	1st	255·2	242·4	16th	260·5	*260·3*	+1·3	32	+ 14
420	Chicago	41 53	87 37	251	988·6	1019·6	+ 0·7	276·0	293·0	22nd	267·1	256·3	16th	271·6	*272·1*	+1·4	19	− 34
421	Toronto	43 40	79 24	116	1004·7	1019·4	+ 1·4	273·0	280·2	19th, 23rd	265·2	251·3	17th	269·1	273·2	+2·2	75	+ 15
422	New York (Central Park)	40 47	73 58	47·4	1014·2	1020·2	+ 2·5	277·9	290·8	23rd	269·8	254·1	17th	273·9	273·7	+1·4	85	− 7
423	St. John, N.B.	45 17	66 4	36·2	1012·3	1017·0	+ 3·0	271·3	280·2	20th	261·9	247·4	18th	266·6	266·2	+0·3	74	− 25
424	S.W. Point, Anticosti	49 24	63 33	9·1	1013·7	1014·9	+ 4·1	264·1	274·1	20th	255·8	243·6	18th	259·9	*260·1*	−2·4	38	− 8
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
425	Port aux Basques	47 35	59 10	9·1	1013·0	1014·2	+ 3·4	266·9	275·2	20th	259·7	248·6	18th	263·3	*263·1*	−1·5	81	− 8
426	St. John's, Newfoundland	47 34	52 42	48·8	1004·2	1010·5	+ 1·7	267·4	277·4	3rd, 20th	260·2	251·9	25th	263·8	*264·4*	−3·9	115	− 11
										Sea Temp.							
430	50°—45° N. 35°—30° W.	††47 27	††32 42	§(34–39)	..	1009·9	..	..	..	283·6	−1·3	..	..	..	279·8	..	..	..
435	Madrid	40 24	3 41	667	941·8	1021·0	+ 0·6	284·7	290·5	28th	275·9	270·1	7th	280·3	*279·8*	+1·3	18	− 19
436	Nantes	47 15	W 1 34	36·5	1012·1	1016·6	− 1·5	282·9	290·0	25th	276·3	267·4	6th	279·6	279·5	+1·1	75	+ 17
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1011·0	1017·3	− 0·6	282·0	290·0	25th	273·5	263·7	8th	277·8	277·7	+0·6	49	+ 16
438	Marseille	43 18	5 23	75	..	1019·5	+ 2·9	286·4	292·8	25th	276·2	268·0	7th	281·3	*281·2*	+0·3	44	+ 7
438*a*	Zürich	47 23	8 33	493	960·2	1020·9	+ 0·7	278·1	290·5	26th	269·6	257·0	7th	273·9	273·2	−0·6	107	+ 52
439	Rome	41 54	12 27	45·5	1010·0	1015·4	− 0·9	286·3	291·8	24th	272·1	271·5	8th	281·7	*281·3*	0·0	47	− 21
440	Vienna	48 15	16 22	203	994·7	1020·4	+ 1·5	273·7	283·7	25th	268·2	258·5	5th	270·9	270·9	−2·6	29	− 4
440*a*	Budapest	47 31	19 2	130	1002·9	1019·5	+ 0·4	273·9	283·8	25th	267·9	260·2	9th	270·9	*270·6*	−2·4	29	− 1
441	Sofia	42 42	23 20	550	951·4	1018·8	− 0·2	277·3	287·6	28th	269·4	258·8	13th	273·3	*272·9*	−0·4	9	− 22
442	Bucharest	44 25	26 6	82	1008·0	1018·4	− 1·4	275·1	284·4	28th	267·9	261·1	14th	271·5	271·3	−0·9	1	− 27
443	Odessa (University)	46 29	30 46	65·3	1009·7	1018·0	− 1·7	..	..	..	..	..	..	267·8	257·6	12th	..	*270·7*
444	Kharkiv (University)	50 0	36 14	140	1001·6	1019·6	− 1·1	270·4	276·2	23rd	263·7	256·2	5th	267·0	*267·0*	−0·2	29	+ 3
444*a*	Novorossiisk	44 44	37 49	37·1	1011·9	1016·5	− 1·7	279·4	288·9	8th	273·3	268·3	12th	276·4	*276·1*	+0·1	84	+ 19
445	Narynskoe	41 20	69 18	478	960·7	1018·9	− 5·6	281·4	288·0	6th	273·0	265·2	11th	277·2	*276·4*	+2·1	44	+ 10
446	Astrakhan	41 43	44 48	404	969·1	1018·3	− 3·3	280·1	284·9	17th	273·7	268·9	24th	276·9	276·6	+1·6	11	− 8
447	Fort Alexandrovsk	44 31	50 7	− 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Krasnovodsk	40 0	52 59	− 5·9	1017·8	1017·1	− 3·9	280·2	287·0	4th	274·7	269·3	8th	277·4	*277·2*	+0·1	25	+ 11
449	Kasalinsk	45 46	62 7	67	1012·0	1020·8	− 3·9	268·7	277·0	4th	261·0	253·2	8th	264·9	*264·7*	+2·4	3	− 5
450	Tachkent	41 20	69 18	478	960·7	1018·9	− 5·6	281·4	288·0	6th	273·0	265·2	11th	277·2	*276·4*	+2·1	44	+ 10
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	919·0	1021·9	− 5·5	273·4	281·6	6th	263·8	252·7	10th	268·6	*268·3*	+2·2	39	+ 11
461	Moukden	41 48	123 23	43·8	1017·5	1023·2	− 2·5	275·7	282·9	21st	263·9	254·3	26th	269·8	269·2	+6·2	5	− 2
462	Joshin	40 40	129 11	31·9	1017·9	1022·0	+ 1·5	275·7	282·2	20th	268·3	260·8	1st	272·0	271·8	+3·3	19	+ 3
463	Yuki	42 20	130 24	65·6	1013·2	1021·7	+ 1·4	273·2	283·7	20th	264·3	257·4	26th, 27th	268·7	268·9	+2·2	22	+ 11
464	Vladivostok	43 7	131 55	128	1005·8	1022·5	+ 0·7	269·9	279·7	20th	261·9	255·7	12th	265·9	*265·7*	+2·7	25	+ 16
465	Ochiai	47 20	142 47	27·4	1015·4	1019·0	+ 5·0	267·0	276·0	20th	255·6	244·0	2nd	261·3	262·5	+2·9	31	− 3
466	Nemuro	43 20	145 35	26·7	1014·9	1018·3	+ 5·6	272·8	279·6	12th	265·6	256·5	1st	269·2	269·7	+2·2	64	+ 39
466*a*	Syana	45 14	147 53	39·3	1013·0	1018·1	+ 6·7	271·9	281·8	25th	263·0	256·2	16th	267·5	268·0	+1·9	91	+ 41
		N.	E.															

Between Latitude 40° N. and 30° N.

FEBRUARY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
508	35°—30° N. 145°—140° W.	††31 58	††141 41	§(15)	..	1022·7	0·0	..	..	Sea Temp. 289·1	−0·6	..	..	..	287·4	−1·1	..	..
511	San Francisco	37 48	122 26	47·2	1011·8	1017·6	− 1·6	286·2	290·2	28th	280·1	276·3	1st	283·1	*282·9*	−0·7	131	+ 39
512	San Luis Obispo	35 18	120 39	61·3	1011·5	1018·9	− 0·3	288·3	295·8	6th	279·2	273·0	1st	283·8	*283·6*	−0·9	165	+ 66
513	San Diego	32 43	117 10	26·5	1015·2	1018·6	+ 0·6	289·0	295·2	15th	281·1	275·8	4th	285·1	*284·9*	−0·6	47	0
514	Modena	37 48	113 54	1670	831·1	1015·9	− 2·0	277·2	284·7	20th	265·5	247·4	2nd	271·3	*271·1*	−1·7	23	− 3
515	Santa Fé	35 41	105 57	2138	784·7	1016·2	0·0	279·2	287·4	21st	267·0	254·7	28th	273·1	*273·3*	0·0	13	− 9
516	Denver	39 45	105 0	1613	834·2	1016·6	− 0·5	279·2	290·2	9th	266·1	254·7	28th	272·7	*272·4*	−0·1	10	− 3
517	Abilene	32 23	99 40	530	956·2	1018·3	− 0·2	289·7	305·8	11th	276·7	260·8	28th	283·2	*283·0*	+2·1	12	− 11
518	Saint Louis	38 38	90 12	173	999·2	1020·3	+ 0·6	280·0	296·3	22nd	270·8	261·9	7th	275·4	*275·3*	+1·5	39	− 26
519	Mobile	30 41	88 2	17·4	1018·0	1020·0	+ 0·3	292·9	298·0	12th	283·6	271·9	16th	288·2	287·7	+3·3	144	+ 11
520	Nashville	36 10	86 47	166	1001·0	1021·3	+ 0·9	284·6	295·8	21st	275·9	265·8	8th	280·2	*280·8*	+2·3	99	− 7
521	Charleston	32 47	79 56	14·6	1019·5	1021·3	+ 1·3	290·6	298·0	23rd	282·6	270·8	17th	286·6	*286·5*	+2·9	143	+ 59
522	Washington	38 54	77 3	34·1	1016·8	1021·0	+ 1·6	280·9	295·2	23rd	272·5	260·2	17th	276·7	*276·5*	+2·2	73	− 8
523	Bermuda	32 17	64 46	46·0	1018·8	1024·3	+ 6·0	294·1	296·9	26th	287·4	281·3	8th	290·8	*290·5*	+0·5	85	− 33
524	Santa Cruz (Flores)	39 27	31 9	40	1018·0	1022·5	+ 1·4	289·0	292·8	9th	283·5	279·1	24th	286·3	*286·4*	−0·3	131	− 43
530	Horta	38 32	28 38	65	1016·0	1023·2	+ 2·1	288·7	293·0	9th	284·3	281·5	7th	286·5	286·3	−1·0	87	− 13
531	Ponta Delgada	37 44	25 40	22	1021·5	1023·3	+ 3·1	288·8	291·7	9th	284·8	282·4	16th	286·8	287·0	−0·2	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1021·7	‡1024·7	+ 3·9	290·4	295·6	2nd	285·4	283·0	8, 17, 23	287·9	*287·8*	−0·3	65	− 26
533	Lisbon	38 43	9 9	95	1009·1	1020·7	+ 1·0	287·5	290·0	25th	282·2	276·7	7th	284·8	284·6	+0·4	16	− 73
534	Melilla	35 18	2 59	8	1019·4	1020·4	+ 0·3	291·5	295·0	4th, 5th	281·1	278·4	19th	286·3	*288·2*	−0·2	21	− 35
535	Gibraltar	36 6	5 21	16·2	1017·9	1019·8	− 0·2	289·8	293·6	3rd, 27th	282·4	280·8	7, 19, 28	286·1	*286·1*	−0·2	78	− 29
536	Colomb-Béchar	31 6	1 46	786	928·0	1019·3	..	291·5	301·0	4th	276·7	273·5	8th	284·1	*283·1*	..	12	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

FEBRUARY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1015·0	1017·8	— 0·9	288·1	292·8	3rd	278·9	274·4	8th, 9th	283·5	..	—0·9	4	— 31
538	Algiers (Bouzaréah)	36 48	3 2	342	977·5	1017·4	— 1·2	286·5	293·4	5th	281·7	278·2	8th	284·1	283·9	+0·7	53	— 10
539	Tunis	36 48	10 10	21	1011·9	1014·4	..	289·4	295·5	6th	282·2	277·9	10th	285·8	*285·7*	+2·0	35	+ 22
539*a*	Malta	35 54	14 31	50·4	..	1014·9	— 1·1	288·2	290·8	5th, 6th	284·1	280·8	9th	286·1	*285·6*	+0·2	24	+ 2
540	Riposto	37 41	15 14	14·2	..	1016·2	— 0·9	288·3	291·0	25th	282·6	279·4	9th	285·5	*285·1*	+0·5	95	+ 53
541	Athens	37 58	23 43	107	1002·1	1015·1	— 2·0	286·0	290·8	7th	280·1	275·8	11th	283·1	282·7	+0·6	44	+ 9
542	Alexandria	31 12	29 53	32·0	1012·4	1016·3	— 0·6	293·2	300·4	8th	284·5	283·1	4th	288·9	*288·8*	+1·3	5	— 19
543	Nicosia (P.W.D.)	35 9	33 22	159	994·7	1013·6	— 2·3	288·3	293·0	17th	277·8	274·7	13th, 19th	283·1	..	0·0	86	+ 32
544	Beirut	33 54	35 28	33·7	..	1014·2	— 2·2	289·4	292·4	3rd	283·8	279·7	28th	286·6	*286·5*	—0·1	163	..
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	1018·1	— 1·7	289·6	293·6	6th	279·3	274·5	14th	284·4	*283·4*	..	39	+ 13
546	Lenkoran	38 46	48 52	—20·0	1020·8	1018·4	— 3·0	..	..	..	275·2	271·9	9th	..	*277·6*	+0·1	88	+ 56
547	Tehran	35 41	51 25	1220	..	..	..	279·7	288·0	4th	..	..	..	..	*‡273·1*	..	121	+ 86
548	Meshed	36 16	59 35	946	877·7	..	..	281·3	291·6	5th	269·3	263·0	24th	275·3	..	— 0·5	109	— 5
549	Seistan	31 0	61 30	?	..	..	..	289·3	298·4	21st	275·4	270·3	10th, 11th	282·3	..	..	45	— 31
550	Quetta	30 11	67 3	1677	833·9	..	— 0·1	284·9	290·8	22nd	272·4	267·6	17th	278·7	*278·6*	+0·1	33	+ 5
551	Peshawar	34 2	71 37	339	978·3	1019·0	— 0·1	291·4	296·5	28th	280·1	275·8	4th	285·7	*285·1*	+0·4	73	+ 37
551*a*	Lahore	31 34	74 20	214	990·7	1016·3	— 0·2	295·7	300·7	23rd	281·9	276·9	4th	288·8	*288·5*	+1·4	9	— 5
552	Simla	31 7	77 8	2205	782·2	..	+ 2·4	283·6	287·5	28th	277·7	271·4	4th	280·7	*280·6*	+2·0	34	— 5
552*a*	Leh	34 10	77 42	3503	665·3	..	+ 1·9	275·3	281·1	25th	262·9	257·1	6th	269·1	*268·1*	+2·0	5	— 19
559	Hankow	30 35	114 17	37·0	1017·8	1022·4	— 3·3	283·6	293·1	9th	277·2	271·0	1st	280·4	*280·3*	+1·9	81	+ 34
560	Tientsin	39 10	117 10	5·0	1023·1	1023·7	— 3·1	279·3	285·1	19th	268·6	261·9	1st	273·9	*273·5*	+2·4	4	+ 1
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1021·8	— 3·2	283·7	293·5	9th	275·5	269·8	28th	279·6	279·0	+1·9	91	+ 53
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1014·1	1022·7	— 0·4	278·3	285·7	21st	270·1	266·8	1st	274·2	273·4	+2·2	69	+ 26
562*a*	Nagasaki	32 44	129 52	133	1002·8	1019·0	— 1·7	284·9	292·5	21st	277·5	273·2	28th	281·2	281·1	+2·2	208	+ 161
563	Kyoto	35 1	135 44	42·9	1013·8	1019·1	+ 0·4	284·6	292·5	24th	275·0	269·6	2nd	279·8	279·5	+3·5	173	+ 107
564	Tōkyo	35 41	139 46	5·8	1015·1	1015·8	— 0·3	285·0	296·4	25th	275·9	268·9	2nd	280·4	280·0	+3·2	227	+ 157
565	Kanayama	37 53	140 46	24·6	1015·2	1018·2	+ 2·4	281·6	291·9	25th	271·9	263·6	2nd	276·7	276·4	+2·4	164	+ 120
566	Miyako	39 38	141 59	30·4	1014·5	1018·3	+ 3·4	280·3	290·3	23rd	270·4	258·5	1st	275·3	274·8	+2·1	291	..
		N.	E.															

FEBRUARY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1016·9	+ 1·1	295·0	298·6	1st	288·8	285·8	5th	291·9	*291·5*	..	117	..
605	Honolulu	21 19	157 52	11·6	1015·9	1017·2	— 0·2	297·2	298·6	..	292·2	290·2	..	294·7	*294·4*	+0·1	20	— 85
614	La Paz	24 9	110 20	12	1013·5	1014·9	..	293·7	300·6	10th	283·3	281·0	26th	289·5	..	..	0	— 22
615	Chihuahua	28 38	106 4	1423	859·6	1015·5	..	292·2	297·2	11th	279·4	270·2	7th	285·8	*286·5*	..	0	— 23
616	Leon	21 7	101 41	1809	820·8	1010·5	— 2·6	298·5	300·9	10th	281·4	278·0	9th	289·9	*290·3*	+1·6	0	— 19
616*a*	Monterry	25 40	100 18	528	955·2	1015·8	— 0·6	297·3	307·9	12th	283·2	277·7	8th, 9th	290·2	*290·1*	+0·9	9	— 19
617	Tulancingo	20 5	98 22	2181	792·8	..	..	294·1	297·0	2, 4, 12	279·6	275·0	9th, 10th	286·8	*286·8*	+0·6	5	+ 2
618	Galveston	29 18	94 50	16·5	1017·1	1019·3	0·0	291·6	296·9	12th	285·4	277·4	15th	288·5	*288·2*	+2·3	77	+ 37
618*a*	New Orleans	29 57	90 4	16·2	..	1020·0	+ 1·0	294·6	300·8	13th	285·5	274·7	8th	290·1	*289·6*	+3·0	83	+ 37
619	Merida, Yuc.	20 58	89 38	22	1016·6	1019·2	+ 0·6	302·5	305·0	4, 23, 28	291·0	284·0	11th	297·2	*296·5*	+1·0	0	— 10
620	Havana	23 8	82 21	24·3	..	1019·5	+ 1·2	300·3	303·8	5th	291·8	288·5	8th	296·0	*295·4*	+0·7	25	+ 1
620*a*	Key West	24 33	81 48	6·7	1019·0	1019·6	+ 1·1	298·3	301·3	6th	292·7	284·1	8th	295·5	*294·7*	+1·1	37	+ 9
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	47	..
622	Watling Island	24 6	74 26	33·5	1016·8	1020·7	+ 2·4	..	300·8	6th, 26th	..	291·9	17th	..	*297·0*	..	..	..
633	Izaña	28 19	16 30	2367	767·1	..	..	277·5	287·2	6th	272·2	265·7	16th	274·9	*274·5*	—1·3	146	+ 110
634	La Laguna	28 28	W16 20	547	957·1	1021·5	+ 2·8	289·6	298·1	4th	281·5	277·8	25, 27, 28	285·5	*284·9*	—0·2	197	..
641	Siwa	29 12	E 25 29	—23	1019·0	1016·2	..	294·8	300·0	23rd	278·7	275·0	11th	286·8	..	..	0	— 3
642																		— 2
643	Cairo (Helwan)	29 52	31 20	116	1002·6	1016·3	— 0·6	293·7	300·5	8th	282·6	280·1	4th	288·1	*287·8*	+0·7	0	— 1
643*a*	Aswan	24 2	32 53	99·6	1003·6	1015·4	— 1·1	299·5	308·0	25th	283·7	282·0	sev. dates	291·6	*290·8*	+0·8	..	..
644	Tor	28 14	33 37	1·9	1014·8	1015·0	— 1·0	295·0	299·1	8th	283·4	279·6	7th	289·2	*288·8*	+0·7	0	— 1
647	Bushire	28 59	50 53	4·3	1015·5	1016·1	— 0·5	291·0	296·4	28th	284·7	280·4	15th	288·3	*288·0*	+0·3	20	— 25
648	Jask	25 44	57 47	4·0	1015·0	1015·4	— 0·6	297·7	299·9	14th	289·3	287·1	16th	293·5	*293·2*	+0·3	45	— 1
649	Karachi	24 53	66 57	4·0	1015·2	1015·7	— 0·6	299·2	302·4	27th	289·2	286·4	3rd	294·2	*293·9*	+0·4	4	— 1
650	Jacobabad	28 17	68 29	56·7	1009·7	1016·4	+ 0·1	296·2	299·6	28th	282·9	278·4	12th	289·6	*289·2*	—0·6	3	— 1
651	Jaipur	26 56	75 52	436	966·1	1016·6	+ 0·1	300·8	306·1	24th	285·6	277·3	5th	293·2	*292·8*	+1·9	0	— 1
652	Nagpur	21 8	79 5	310	979·8	1015·4	+ 0·5	305·6	310·2	26th	288·4	282·4	6th	297·0	*296·8*	+0·7	1	— 1
653	Allahabad	25 25	81 51	94·1	1004·8	1015·5	+ 0·3	301·6	307·8	26th	285·4	280·6	7th	293·5	*292·9*	+1·8	5	— 1
653*a*	Darjeeling	27 3	88 18	2266	776·3	..	+ 0·7	283·5	289·1	21st	277·1	273·1	1st	280·3	*280·2*	+1·8	2	— 1
654	Calcutta	22 36	88 23	6·4	1013·5	1014·3	— 0·6	303·3	308·6	27th	288·4	283·4	2nd	295·9	*295·6*	+1·3	0	— 1
655	Ganhati	26 8	91 41	59·7	1008·0	1015·1	— 1·2	300·1	305·2	28th	285·4	281·7	2nd, 7th	292·7	*291·8*	+1·1	3	— 1
655*m*	Cherrapunji	25 15	91 42	1314	860·6	..	— 0·2	291·2	295·5	28th	283·1	278·8	2nd	287·1	*286·4*	+1·4	3	— 1
655*a*	Akyab	20 11	92 56	6·1	1012·2	1012·8	— 1·3	301·7	305·1	27th	288·1	283·7	3rd	294·9	*294·7*	—0·8	0	— 1
656	Mandalay	21 59	96 0	76·2	1004·7	1013·6	— 0·4	305·7	309·6	28th	287·6	283·4	8th	296·7	*296·0*	—0·2	0	— 1
656*a*	Tengyueh	25 2	98 33	1625	834·7	1012·1	— 0·4	292·2	296·3	28th	273·7	269·7	11th	282·9	*282·3*	+0·2	0	— 1
657	Phu Lien	20 48	106 38	116	1000·0	1013·6	— 3·2	295·0	302·5	14th	289·5	283·7	28th	292·3	291·7	+2·0	24	— 1
658	Moncay	21 31	107 51	9	1013·2	1014·3	— 3·2	294·3	301·3	26th	288·3	282·9	28th	291·3	*291·3*	+2·1	39	+ 6
659	Hongkong	22 18	114 10	33·2	..	1015·5	— 3·1	291·3	295·9	7th	287·5	282·6	27th	289·4	289·3	+1·5	140	+ 96
660	Amoy	24 27	118 4	ca.3	1016·3	1016·7	— 3·2	290·4	295·8	24th	285·8	279·7	28th	288·1	*288·2*	+1·6	128	+ 84
661	Taihoku, Formosa	25 2	121 31	9·3	1016·4	1017·5	— 2·5	292·9	302·1	25th	286·8	281·6	27th	289·8	289·5	+1·9	200	+ 148
661*a*	Basco	20 28	121 59	18·7	1010·3	1012·7	— 1·7	299·6	302·9	26th	294·7	290·2	28th	297·1	*297·3*	+1·8	48	+ 14
662	Naha	26 13	127 41	10·5	1016·1	1017·4	— 1·5	293·9	298·5	24th, 26th	286·4	282·7	5th	290·1	289·9	+1·0	270	+ 241
665	Titizima (Bonin Is.)	27 5	142 11	4·0	1017·2	1017·7	+ 1·2	293·6	296·8	26th	288·4	284·2	19th, 20th	291·0	290·9	+0·5	110	+ 84
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. FEBRUARY—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	956·8	1012·2	..	303·0	304·4	9th	292·6	291·0	14th	297·8	*296·7*	..	0	..
716	Morelia	19 42	101 7	1923	811·2	1012·6	..	296·9	299·5	12th	282·0	279·9	8th, 9th	289·5	*288·9*	..	1	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	..	+0·1	297·6	299·9	12th	278·2	273·5	8th	287·9	287·2	+0·7	8	— 9
718	Salina Cruz	16 12	95 12	56	1005·4	1011·9	..	302·2	306·1	24th	294·7	291·5	16th	298·5	*297·9*	+0·3	0	— 11
719	San Salvador	13 42	89 13	682	937·9	1013·7	+0·3	305·8	307·4	24th	288·2	285·4	12th	297·0	*295·7*	+0·1	23	+ 15
720	Belize	17 29	88 12	5·2	1009·0	1009·6	—0·3	..	..	..	294·5	288·6	17th	..	*‡297·7*	+1·0	43	— 32
721	Jamaica (Negril Pt.)	18 15	78 23	10·1	..	1015·1	+0·3	302·3	303·4	12th	292·8	290·2	13th	297·6	*297·2*	+0·2	135	+ 91
722	Port au Prince	18 33	72 20	37·4	1012·4	1016·7	+0·5	304·2	305·9	20th	293·2	291·5	6th	298·7	*298·0*	+0·1	86	+ 22
723	Caracas	10 30	66 55	1042	900·2	1015·4	+0·8	297·8	300·2	28th	286·9	283·6	18th	292·3	*290·9*	—0·5	4	— 5
724	Montserrat	16 41	62 9	39·6	1011·7	1016·2	0·0	..	..	..	294·6	293·0	21st	..	..	..	158	+ 71
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡996·0	‡1014·0	+0·1	300·8	302·4	1st, 9th	295·2	294·1	6, 22, 25	298·0	*297·6*	—0·1*	129	+ 58
725	Barbados	13 8	59 36	55·2	..	1014·6	—0·3	301·0	303·2	13th	294·9	293·3	9th, 16th	297·9	*296·7*	+0·5	90	+ 34
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·2	1015·5	+0·3	295·9	298·0	6th, 11th	288·8	286·5	19th	292·3	*293·3*	—1·0	0	— 5
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·4	1015·4	+0·4	297·6	301·4	4th	292·2	290·0	16th	294·9	*295·2*	—0·3	0	— 2
733	Bathurst	13 27	16 34	1·8	..	1013·9	+0·5	303·2	307·4	28th	289·8	288·0	5th	296·5	*296·1*	—0·4	0	0
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	310·3	311·3	5th, 25th	291·2	288·0	6th	300·8	..	+0·6	0	0
735	Niénébalé	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	0	..
735*a*	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	0	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·8	315·2	26th	290·7	285·8	3rd	300·7	*300·5*	+1·5	0	0
738	Kaduna Capital	10 32	7 25	637	..	..	..	..	..	..	..	..	..	..	..	..	..	..
739	Hadejia	12 40	10 5	?	..	..	..	311·4	316·3	24th	..	..	..	..	*‡301·6*	+2·9	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	311·1	315·8	21st, 25th	287·8	284·7	5th, 6th	299·5	*299·4*	+0·7	0	0
741	El Fasher	13 32	25 18	730	..	..	..	305·7	312·5	26th	280·9	276·8	13th	293·3	*292·5*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	305·4	311·5	26th, 27th	285·9	282·9	5th	295·6	*294·2*	—0·2	0	0
743*a*	Khartoum	15 37	32 33	390	966·3	1009·9	—1·7	305·1	313·2	26th	288·4	285·8	1st	296·7	*296·8*	—0·2	0	0
744	Port Sudan	19 37	37 13	5·5	1012·7	1013·4	—0·3	300·5	303·0	3rd	292·5	289·0	23rd	296·5	*296·2*	+0·4	0	— 6
745	Berbera, Somaliland	10 22	45 2	9·5	1011·7	1012·7	—2·6	302·2	303·0	2, 5, 23	293·3	290·2	7th, 9th	297·7	*299·1*	—0·4	0	— 8
746	Aden	12 45	45 3	28·7	1010·8	1014·2	—1·2	299·6	301·7	23rd	295·5	288·9	9th	297·6	*297·0*	—0·5	0	— 5
751	Bombay	18 54	72 49	11·3	1012·1	1013·5	—1·1	302·3	304·9	7th	294·1	289·9	4th	298·2	297·4	+0·9	0	— 1
752	Kodaikanal	10 14	77 28	2343	771·1	..	—1·1	291·3	294·7	21st	281·0	277·6	15th	286·2	*285·4*	—0·2	39	+ 4
752*a*	Bangalore	12 59	77 38	920	912·4	1013·7	—0·3	303·2	305·5	17th	288·2	285·7	19th	295·7	*295·3*	+0·1	2	— 2
753	Madras	13 4	80 14	6·7	1013·1	1014·0	—0·4	303·4	307·5	27th	292·8	289·2	27th	298·1	*297·7*	—0·1	0	— 8
754	Vizagapatam	17 42	83 19	11·6	1013·1	1014·5	—0·1	303·3	309·5	18th	293·9	291·5	8th	298·6	*298·1*	+0·3	0	— 23
755	Port Blair	11 40	92 40	18·0	1009·2	1011·3	—1·9	302·6	304·1	16th	296·2	294·7	25th	299·4	*298·9*	—0·8	34	+ 10
756	Rangoon	16 46	95 48	5·5	1011·9	1012·6	—0·8	306·6	308·4	23rd	293·1	290·1	3rd	299·8	*298·6*	+0·5	2	— 4
757	Saigon	10 47	106 42	11	1009·1	1010·3	—1·0	306·1	308·6	28th	296·0	294·8	18th	301·0	*300·4*	+0·8	0	— 3
759	Nhatrang	12 15	109 12	3·6	1011·4	1011·8	—1·6	302·2	303·8	28th	294·5	292·3	10th	298·3	*297·8*	+0·6	51	+ 21
760	Bolinao	16 23	119 53	7·1	1008·7	1009·6	—2·0	305·0	307·2	6th	294·8	292·8	26th	299·9	*298·8*	—0·2	0	— 11
761*a*	Vigan	17 34	120 23	12·2	..	1010·9	—1·2	303·9	306·2	6th	294·7	292·6	17th	299·3	299·3	+0·7	0	— 4
762	Manila	14 35	120 59	14·2	..	1011·4	—0·9	305·2	306·9	22nd	293·0	290·1	9th	299·1	298·2	—0·1	23	+ 12
765	Ormoc	11 0	124 36	5·6	1009·1	1009·8	—0·6	304·4	305·6	14th	294·2	290·3	12th	299·3	*299·0*	+1·0	131	+ 21
	Guam, Ladrone Is.	13 24	144 38	20·4	1006·6	1009·2	—0·9	301·6	304·3	20th	296·8	295·2	20th	299·2	*299·1*	0·0	72	— 4
		N.	E.															

Between Latitude 10° N. and 0°. FEBRUARY—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1009·9	1010·5	..	303·0	304·7	20th	297·2	295·1	1st	300·1	*299·7*	—0·4	156	—124
821	Colon	9 23	79 23	11·0	..	1011·3	— 1·2	303·5	304·1	27th	298·2	296·3	8th	300·8	*300·4*	+1·2	18	— 23
822	Bogota	4 30	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	103	+ 43
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·7	..	— 0·5	296·2	297·5	sev. dates	287·5	285·5	7th	291·8	*290·8*	0·0	100	+ 56
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	305·1	306·9	22nd	295·5	294·2	12th	300·3	*299·7*	..	2	— 3
824	El Peru, Guayanavieja	7 19	61 49	220	?986·6	?1011·7	+ 0·4	302·8	305·1	17th	292·2	290·5	7, 8, 13	297·5	*296·8*	—0·1	57	— 12
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·0	+ 0·7	301·8	302·4	13, 14, 18	297·1	295·8	9th, 17th	299·4	*299·4*	+0·1	91	— 27
825*a*	Paramaribo	5 49	55 9	3·7	‡1013·6	‡1014·0	+ 0·8	302·8	304·5	16th	295·5	293·6	25th	299·1	*298·6*	+0·6	106	— 63
826	Cayenne	4 56	52 21	6	1013·7	1014·4	+ 2·1	302·2	303·0	sev. dates	295·6	293·0	16th, 26th	298·9	*298·3*	+0·3	149	—163
831	10°—5° N. 30°—25° W.	††7 14	††28 26	§(26–30)	..	1012·4	+ 0·1	..	..	Sea Temp.	297·8	—0·6	..	..	297·0	—1·2	..	..
833	Konakri	9 31	13 43	16	..	..	..	303·3	306·0	16th	295·9	295·0	8, 17, 27	299·6	*299·1*	—1·1	0	0
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·0	1010·9	+ 0·1	305·6	307·4	16th	296·7	295·8	17, 22, 27	301·1	*300·2*	+0·2	0	— 8
836	Assuantsi	5 18	1 15	101	..	..	..	304·6	306·3	16th	294·4	293·0	1, 2, 10	299·5	*298·8*	..	32	..
837	Accra	5 33	W 0 12	25·1	1006·4	1009·2	..	303·8	305·2	20th	296·9	295·8	23rd, 28th	300·3	*299·8*	+0·5	7	— 18
838	Lagos	6 27	E 3 24	4·6	1010·0	1010·6	— 0·9	304·6	305·8	16th	298·3	296·3	2nd, 22nd	301·4	*301·0*	+0·4	21	— 32
839	Zungeru	9 48	6 10	130	..	..	..	310·2	311·9	11, 20, 25	291·4	288·0	12th	300·8	*300·7*	—0·8	0	— 1
841	Yola	9 12	12 30	259	..	..	..	310·3	312·4	8th, 20th	..	..	..	..	*‡300·7*	—0·6	0	0
	Wau	7 42	28 3	440	..	..	..	312·0	313·0	22nd	290·3	287·0	6th	301·2	*299·4*	—0·6	1	— 5
843	Malakal (Kodok)	9 35	31 37	394	963·6	1007·8	— 0·4	310·2	312·2	18th	289·9	287·7	23rd	300·0	*299·6*	0·0	0	0
843*a*	Mongalla	5 11	31 47	439	957·9	1006·0	— 0·4	?310·2	?313·0	11th	294·1	291·0	1st, 6th	?302·2	*?301·6*	+1·0	28	+ 9
844	Entebbe	0 5	32 29	1171	882·7	1008·6	— 0·4	299·3	301·7	2nd	290·5	288·7	25th	294·9	*294·4*	—0·1	106	+ 15
851	Minicoy	8 17	72 49	2·1	1012·6	1012·8	0·0	..	..	..	..	..	..	..	..	..	57	+ 41
852	Cochin	9 58	76 21	2·7	1012·3	1012·6	— 0·5	305·3	308·1	28th	296·6	294·9	1st	300·9	*300·4*	+0·1	47	+ 26
853	Colombo Observatory	6 54	79 53	7·3	..	1010·5	— 0·2	303·9

FEBRUARY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1009·9	1010·8	+ 0·8	..	..	..	..	..	..	..	*299·9*	−0·7	5	−46
924	Manaos	3 8	60 1	43·8	..	..	..	302·5	306·0	12th	295·5	294·0	24th	299·0	*298·3*	−1·5	234	+ 27
926	Taperinha	2 30	54 20	20·0	1008·6	1010·9	− 0·5	302·7	304·6	7th	295·3	294·2	18th	299·0	*298·0*	+0·4	230	..
927	Turyassu	1 43	45 26	15·1	1008·5	1010·2	− 0·6	303·7	305·8	6th	295·4	294·0	18th	299·6	*299·0*	+0·3	102	−122
928	Barra do Corda	5 30	45 16	81·0	999·8	1009·1	− 1·0	303·9	306·2	12th	294·4	292·6	2nd	299·2	*298·2*	+0·2	188	+ 9
929	Quixeramobim	5 16	39 15	207	987·8	1011·0	− 0·2	306·7	308·4	4th, 11th	298·3	295·2	22nd	302·5	*301·7*	+1·0	33	−155
930	Fernando Noronha	3 50	W32 25	106	999·2	1011·0	− 0·7	301·9	302·8	8th	297·5	294·7	14th	299·7	*299·0*	+0·6	53	− 52
939	Loanda	8 49	E 13 13	59·3	..	1012·6	+ 1·9	299·9	302·2	28th	296·1	294·6	11th	298·0	297·9	−0·9	8	− 22
940	Brazzaville	4 17	15 16	320	976·4	1012·4	+ 1·0	304·2	309·0	16th	294·0	292·0	28th	299·1	*298·4*	−0·3	317	+191
943	Masaka	0 21	31 47	?1280	..	..	..	305·1	310·8	7th	..	..	..	..	*293·2*	0·0	89	+ 34
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	301·3	303·6	8th	286·9	281·3	3rd	294·1	..	..	46	− 5
944*a*	Zanzibar	6 10	39 11	21·9	1009·8	1012·3	− 0·9	303·9	305·7	23rd	299·7	299·1	8th	301·8	*301·3*	+0·2	0	− 57
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	303·6	10th	297·4	295·8	5th, 6th	299·7	*299·3*	−0·8	0	− 3
947	Seychelles, Port Office	4 37	55 27	4·6	1010·0	1010·5	− 0·9	302·2	304·1	25th	298·4	295·9	11th	300·3	*299·7*	+0·6	45	−272
957	Padang	0 56	100 22	6·7	..	1009·9	− 0·7	..	..	..	..	..	..	..	..	..	255	− 5
958	Batavia	6 11	106 50	8·0	1008·2	1009·1	− 0·9	302·0	304·8	27th	296·3	294·8	7th	299·1	298·5	0·0	184	−142
958*a*	Pontianak	0 1	109 20	2·6	..	1010·3	+ 0·1	..	..	..	..	..	..	..	..	..	184	− 86
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	112	..
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	366	+ 91
																	436	− 15
962	Amboina	3 42	128 10	4·2	..	1008·1	− 0·9	..	..	..	..	..	..	..	..	..	..	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	74	− 43
965	Daru	9 4	143 13	7·6	..	1007·9	− 1·1	304·5	..	..	297·1	..	..	300·8	*300·3*	+0·5	173	−109
966	Port Moresby	9 29	147 9	39·0	..	1007·0	− 1·9	304·6	..	..	297·9	..	..	301·3	*300·8*	+0·8	151	− 84
967	Rabaul	4 9	152 12	20·7	..	1007·3	..	304·8	306·9	21st, 30th	296·2	295·1	23rd	300·5	*299·9*	+0·2	245	− 28
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	261	−212
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	?1008·5	?1008·8	+ 1·0	?304·4	?306·8	12th	?297·5	?296·7	13th	?300·9	*?300·6*	+0·2	410	+ 21
970	Ocean Island	0 52 S.	169 35 E.	54·0	1000·8	1007·0	− 0·6	303·4	304·1	sev. dates	297·9	295·8	4, 5, 9	300·7	*300·1*	−0·1	259	+ 34

FEBRUARY—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·9	+ 1·5	302·5	304·2	8th	297·1	293·8	13th	299·8	299·4	+0·3	219	−169
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·1	308·0	27th	295·9	292·4	14th	300·0	*299·7*	+0·1	184	− 75
1021	Arequipa	16 22	71 33	2451	760·7	..	0·0	?292·8	?294·8	2nd	?284·0	?281·9	20th	?288·4	*?288·2*	+0·7	88	+ 45
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	286·7	284·0	11th, 22nd	..	*296·2*	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	727·3	..	..	289·1	293·5	18th	280·9	277·0	28th	285·0	*284·9*	..	105	− 14
1025	Corumba	18 59	57 39	116	994·6	1007·6	+ 0·5	304·3	307·0	4, 15, 19	295·3	292·6	15th	299·8	*299·0*	−0·7	168	+ 21
1026	Cuyaba	15 36	56 6	165	990·1	1008·8	− 0·1	304·0	307·3	1st	295·5	294·5	22nd	299·8	*298·7*	−1·5	177	+ 34
1027	Bello Horizonte	19 55	43 57	895	911·9	1009·6	− 2·7	300·8	304·5	1st, 2nd	291·4	290·0	9th	296·1	295·7	+0·2	297	+ 59
1028	Caetite	14 3	42 37	897	914·4	1012·4	− 0·1	300·3	304·2	4th	291·6	289·8	1st	296·0	*296·4*	+0·6	179	+144
1029	Ondina (Bahia)	13 0	38 31	46·6	1005·7	1011·1	− 1·4	302·0	305·0	18th	296·3	294·5	9th	299·2	*298·9*	−0·1	250	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	945·3	1013·6	+ 0·9	297·4	300·6	18th	287·6	285·2	11th	292·5	*292·7*	+0·4	131	+ 34
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	298·2	300·4	9, 17, 22	291·1	284·4	11th	294·7	*294·7*	..	0	..
1041	Elisabethville	11 39	27 28	1236	876·7	1008·7	+ 1·0	301·3	304·6	26th	289·2	287·4	7th	295·2	..	+0·1	298	+ 55
1042	Gwelo	19 28	29 48	1417	859·6	1009·4	− 0·6	301·3	305·2	17th	288·7	283·6	22nd	295·0	..	+1·1	17	−121
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡851·4	‡1006·9	− 1·2	300·7	306·1	19th	286·6	283·0	21st, 22nd	293·7	*292·8*	+0·3	120	− 65
1044	Zomba	15 23	35 18	955	904·1	1008·0	− 0·7	300·4	305·8	19th	291·2	289·7	7, 17, 28	295·8	*295·0*	+0·6	118	−153
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	142	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	153	..
1048	Antalaha	14 58	50 19	3	..	1004·5	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1010·4	1010·9	+ 0·1	302·4	304·1	20th	297·8	296·3	8th	300·1	*299·7*	−0·4	222	+ 35
1057	Christmas Island	10 25	105 43	5·5	1005·9	1006·5	− 0·9	303·4	306·3	..	297·1	295·2	..	300·2	*299·6*	−0·2	414	+100
1061	Kupang	10 10	123 34	45·1	..	1008·3	− 0·6	303·4	305·2	9th	296·9	295·3	10th	300·1	299·7	..	269	−110
1061*a*	Derby	17 18	123 40	16·2	1003·3	1005·2	− 2·3	307·1	310·9	6th	298·9	295·0	5th	303·0	..	0·0	360	+215
1062	Hall's Creek	18 13	127 46	374	962·8	1004·3	− 3·0	308·7	313·7	13th	297·4	292·4	28th	303·1	*302·7*	+0·6	171	+ 45
1063	Darwin	12 28	130 51	29·6	1002·5	1005·8	− 0·6	304·8	307·4	8th	298·1	295·2	17th	301·4	*300·4*	−0·2	369	+ 49
1064	Daly Waters	16 16	133 23	211	978·8	1002·1	− 3·3	308·2	313·0	6th	296·8	294·1	17th	302·5	*302·1*	−0·1	157	+ 83
1065	Mein	13 13	142 47	122	989·8	1003·5	− 3·2	303·4	306·3	7th	295·8	294·7	27th, 28th	299·6	..	−0·7	366	+138
1066	Georgetown, Queensland	18 22	143 32	302	971·7	1005·4	− 2·2	304·1	306·4	21st	295·7	293·3	8th	299·9	*300·5*	..	145	− 28
1066*a*	Willis Island	16 18	149 59	8·5	1004·0	1005·1	..	303·1	304·7	8th	298·6	297·4	10, 16, 24	300·9	..	−0·8	344	..
1067	Samarai	10 37	150 40	15·2	..	1007·5	− 0·5	304·9	..	..	297·6	..	..	301·2	*300·9*	+0·4	131	−100
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1009·1	1009·8	+ 0·8	303·9	305·4	1st, 8th	295·4	293·6	19th	299·7	*299·4*	−0·2	409	+152
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

FEBRUARY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·8	306·1	8th	296·6	294·7	26th	299·2	*298·9*	+0·2	423	+169
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1010·7	1013·9	− 0·5	292·9	294·7	3rd	288·4	287·2	26th, 28th	290·7	*290·2*	+0·1	0	0
1122	Iquique	20 12	70 11	9	1011·4	1012·4	− 1·0	297·3	299·8	1st	289·4	287·9	15th	293·3	*293·8*	−0·2	0	0
1123	Catamarca	28 27	65 47	510	951·0	1007·2	− 0·5	308·0	317·8	17th	292·5	284·7	19th	300·3	299·2	+0·4	75	+ 18
1124	Salta	24 46	65 28	1178	878·5	1003·5	− 2·7	301·3	304·6	1st	289·7	286·0	12th	295·5	294·4	−0·2	188	+ 41
1125	Goya	29 9	59 15	26	1006·5	1009·5	+ 0·7	306·3	312·0	18th	292·3	284·4	13th	299·3	298·4	+0·1	83	− 23
1126	Asuncion	25 21	57 37	93	998·4	1009·0	− 0·4	307·6	312·5	16th	294·4	288·0	1st	301·0	299·8	0·0	88	− 42
1127	Curityba	25 25	49 17	908	910·6	1010·6	− 1·8	298·5	301·3	10th	288·8	282·0	14th	293·6	*292·4*	−0·7	132	− 16
1128	Rio de Janeiro	22 54	W43 10	61·4	1003·3	1010·4	− 1·3	301·9	307·2	20th	295·8	292·6	15th	298·8	298·5	−0·1	129	+ 15
1139	Windhoek	22 34	E 17 5	1669	..	..	..	301·6	304·5	1st	290·4	285·6	10th	296·0	*296·0*	+0·9	47	− 30
1140																		
1141	Kimberley	28 42	24 47	1202	880·3	1008·4	− 0·6	305·2	308·7	14th	288·9	282·7	20th	297·1	296·8	+0·5	15	− 56
1141*a*	Johannesburg	26 11	28 4	1806	821·9	1011·5	− 0·2	297·4	301·5	17th, 23rd	286·0	282·5	28th	291·7	*291·2*	+0·1	78	− 55
1142	Bulawayo	20 9	28 35	1340	866·2	1008·9	− 0·6	301·2	306·4	19th	288·3	284·1	22nd	294·7	*294·2*	+0·5	24	− 78
1143	Durban	29 52	31 3	15·2	1014·1	1015·9	+ 0·2	300·8	304·6	8th	293·6	289·2	20th	297·2	*296·7*	−0·4	70	− 55
1144	Lourenço Marques	25 58	32 36	59	..	1013·4	+ 0·3	302·6	305·8	9th	293·6	290·4	21st	298·1	298·0	−0·3	13	−157
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	90	..
1146	Fort Dauphin	25 2	46 58	25	..	1007·9	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1000·6	1006·9	− 4·1	302·6	304·1	23rd, 24th	295·8	291·9	2nd	299·2	298·9	+0·1	187	− 26
1159	Onslow	21 43	114 57	4·3	1003·1	1003·9	− 2·7	308·8	316·6	14th	296·1	292·1	2nd	302·4	..	−0·4	3	− 21
1160	Cue	27 27	117 52	454	955·0	1004·1	− 4·1	311·2	316·1	5th	296·8	288·4	16th	304·0	..	+1·4	1	− 18
1161	Nullagine	21 53	120 5	386	960·9	1002·9	− 3·5	311·3	317·4	13th	297·8	293·0	2nd	304·6	..	+0·5	136	+ 79
1162	Laverton	28 40	122 23	466	956·5	1007·8	− 3·1	309·4	317·9	10th	294·1	285·8	17th	301·7	*301·5*	+1·6	15	− 14
1163	Alice Springs	23 38	133 37	587	939·7	1003·6	− 4·6	308·8	313·7	13th	293·7	288·0	2nd	301·2	*301·4*	+0·4	56	+ 14
1164	William Creek	28 55	136 21	76·2	999·2	1007·8	− 2·8	310·7	319·1	13th	294·6	287·4	28th	302·6	*302·3*	+1·5	31	+ 20
1164*a*	Boulia	22 55	139 38	146	990·2	1002·9	− 3·4	311·3	314·7	4th	297·3	293·8	7th	304·3	*304·5*	+1·2	6	− 46
1165	Thargomindah	27 58	143 43	123	992·3	1006·0	− 2·8	309·8	313·7	11th	297·1	292·1	28th	303·4	*303·1*	+1·0	5	− 37
1166	Mitchell	26 32	147 52	336	969·0	1006·6	..	306·1	310·8	27th	292·3	286·3	25th	299·2	..	+0·7	5	− 81
1167	Rockhampton	23 24	150 30	11·3	1005·4	1006·7	− 3·4	303·6	309·1	25th	295·3	292·4	6th	299·4	..	−0·2	298	+110
1168	Brisbane	27 28	153 2	41·7	1005·1	1009·9	− 2·7	300·4	304·6	27th	293·5	291·4	6th	297·0	*296·5*	−0·7	109	− 48
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1011·4	1013·1	+ 0·3	296·9	300·8	26th	292·3	289·1	6th	294·6	*294·2*	−0·8	241	+104
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 30° S. and 40° S. **FEBRUARY—ZONE 12.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	295·5	298·7	8th	287·9	285·2	3rd	291·7	*292·2*	+0·3	16	− 17
1221*a*	Punta Tumbes	36 37	73 6	120	1000·2	1014·5	− 0·6	291·7	294·5	2nd	283·9	282·0	16th	287·8	*287·8*	−0·4	0	− 9
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1008·0	1012·9	− 1·7	295·2	301·8	15th	285·6	283·8	8th	290·4	*290·0*	−0·9	0	0
1222*a*	Santiago	33 27	70 42	520	952·8	1011·9	− 0·3	302·2	305·0	12th	283·6	281·3	27th	292·9	*292·2*	+0·3	0	− 2
1223	Cordoba	31 25	64 12	423	962·7	1010·6	+ 0·5	302·2	309·2	..	287·9	282·3	..	295·1	294·4	−1·1	126	+ 19
1224	Bahia Blanca	38 45	62 15	25	1008·8	1011·8	− 0·7	300·8	309·0	5th	287·5	281·0	1st, 22nd	294·1	294·1	−1·0	56	+ 1
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1009·8	1013·0	+ 0·3	300·7	306·7	4th	288·4	280·9	13th	294·5	294·2	−1·3	76	+ 8
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1011·4	− 1·6	298·3	303·2	8th	291·0	285·0	11th	294·7	*294·5*	−0·4	35	− 39
1226*a*	Porto Alegre	30 2	W51 13	23·5	1006·5	1009·2	− 3·5	303·1	309·4	18th	292·0	287·0	13th	297·5	296·7	−1·0	60	− 24
1239	Cape Town	33 56	E 18 29	12·2	..	1013·8	+ 0·4	299·6	309·1	5th	289·1	286·3	9th	294·3	*292·8*	0·0	22	+ 7
1240	Danger Point	34 37	19 18	27·7	1005·1	1008·3	..	294·5	297·4	3rd, 28th	288·2	283·0	11th	291·3	..	−0·6	24	+ 4
1241	Riversdale	34 6	21 16	30·5	1003·0	1006·5	..	299·8	309·7	5th	288·5	281·3	11th	294·2	..	..	50	+ 17
1242	East London	33 1	27 54	9·8	..	1010·0	+ 1·0	297·6	300·8	8th	290·6	287·4	22nd, 23rd	294·1	..	−0·1	84	+ 25
1259	Perth (Observatory)	31 57	115 51	60·0	1003·8	1011·0	− 2·3	302·0	313·6	22nd	289·8	283·0	16th	295·9	*295·3*	−0·5	5	− 7
1260	Katanning	33 42	117 35	310	976·9	1012·8	− 1·3	301·4	310·2	22nd	286·6	281·4	17th	294·0	..	−0·3	21	+ 6
1261	Coolgardie	30 57	121 10	423	962·3	1009·8	− 2·6	306·2	317·4	9th	289·7	283·0	16th	298·0	*297·8*	+0·4	23	+ 4
1262	Eucla	31 45	128 58	4·6	1010·6	1011·3	− 2·9	298·2	318·7	11th	290·9	284·6	20th	294·6	*293·9*	−0·1	3	− 13
1263	Streaky Bay	32 48	134 13	13·1	..	1011·5	− 2·8	305·9	317·0	11th	289·9	282·4	28th	297·9	*297·1*	+2·4	0	− 12
1264	Adelaide	34 56	138 35	42·7	1007·4	1012·3	− 2·0	304·2	314·1	11th	290·1	283·4	28th	297·1	*296·6*	+0·7	1	− 16
1265	Melbourne	37 49	144 58	35·1	1008·9	1012·8	− 1·7	299·9	313·3	16th	288·2	281·7	15th	294·1	*293·7*	+1·4	92	+ 48
1266	Bourke	30 13	145 58	110	999·5	1011·9	− 2·2	309·1	314·7	14th	294·1	288·6	26th	301·6	..	+0·3	11	− 32
1267	Sydney	33 51	151 13	40·5	1008·7	1013·4	− 0·7	298·8	301·3	9th	291·7	289·1	6th, 28th	295·2	..	+0·4	65	− 43
1268	Lord Howe Island	31 20	159 0	4·6	1013·3	1014·0	− 0·3	297·9	300·3	28th	293·3	289·6	26th	295·6	..	0·0	49	− 78
1271	Auckland	36 50	174 50	38·1	..	1016·9	+ 2·5	295·7	300·8	14th	289·3	285·8	6th, 7th	292·5	..	+0·1	159	+ 82
1272	Napier	39 32 S.	176 53 E.	21·3	..	1020·4	+ 5·2	294·7	303·6	1st	287·2	282·4	8th	290·9	..	−0·7	116	− 51
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° S. and 50° S. **FEBRUARY—ZONE 13.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1017·1	..	..	..	..	..	..	..	..	..	..	23	− 39
1321	Isla Guafo	43 34	74 45	140	998·8	1015·6	− 0·6	287·6	296·2	27th	282·9	281·4	6th	285·3	*285·0*	−0·6	89	+ 28
1322	Punta Galera	40 1	73 44	40	1011·4	1016·2	0·0	289·2	296·8	27th	283·2	281·0	26th, 27th	286·2	*286·9*	−0·2	41	− 31
1323	Sarmiento	45 30	69 0	274	977·2	1007·8	− 1·6	297·2	305·0	28th	281·2	277·9	1st	289·2	289·0	−1·0	3	− 5
1324	Punta Madryn	42 49	W64 58	14	1010·4	1011·8	+ 1·8	299·4	306·7	28th	284·8	280·1	22nd	292·1	292·0	−0·3	4	− 6
1365	Launceston	41 27	E147 10	10·1	1011·7	1012·8	− 1·5	298·8	307·7	11th	286·4	281·1	15th	292·6	*291·3*	+1·3	58	+ 39
1366	Hobart	42 53	147 20	53·9	1007·7	1014·1	+ 0·8	294·6	309·2	12th	285·6	281·2	15th	290·1	*288·8*	+0·2	65	+ 28
1370	Invercargill	46 25	168 21	3·7	..	..	..	293·6	300·8	15th	282·5	274·7	6th	288·1	..	+1·3	29	− 46
1371	Dunedin	45 52	170 31	91·4	..	1019·1	+ 6·0	292·8	299·7	13th	283·9	278·6	5th	288·3	..	+1·1	58	− 10
1371*a*	Christchurch	43 31	172 39	7·6	..	1018·3	+ 3·8	293·4	303·1	1st	285·4	277·8	16th	289·4	..	+0·5	26	− 20
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1016·2	+ 1·1	295·2	300·9	28th	286·3	277·7	7th	290·7	..	+0·8	27	− 53
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

FEBRUARY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·6	1004·3	+ 1·5	282·1	283·9	27th	278·7	276·2	6th	280·4	*280·5*	—1·2	237	— 10
1422	Puerto de Punta Arenas	53 10	70 54	28	998·8	1002·2	+ 1·5	286·7	294·4	27th	280·1	276·6	9th	283·4	*283·5*	—0·2	12	— 17
1423	Punta Dungeness	52 24	68 26	5	1000·8	1001·4	+ 1·3	287·5	292·0	25th	279·8	278·0	22nd	283·7	*283·8*	—0·9	5	— 14
1424	Santa Cruz	50 11	68 21	12	1002·8	1003·8	— 0·7	294·2	302·9	27th	281·2	274·4	20th	287·7	287·3	+0·1	7	— 2
1424*a*	Año Nuevo‡	54 39	64 8	50	..	..	..	285·5	290·0	5th	277·1	275·0	21st	281·3	*281·1*	0·0	100	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	999·1	1001·7	+ 0·4	284·9	289·1	5th	278·6	275·2	1st	281·7	282·1	—0·7	..	..
1429	S.Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	998·9	999·4	+ 2·8	281·6	287·4	7th	274·1	270·7	28th	277·9	*278·1*	—0·4	223	+118

FEBRUARY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	993·4	994·3	+ 2·9	275·6	279·3	8th	272·3	270·3	26th	273·9	273·8	+0·4	17	— 22
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—FEBRUARY, 1922.

Date.	St. Helena. 1035. Direction	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
		m/s		9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SE	9·1	ESE 4	Calm 0 SW 2	S 1 S 1	NE 4 ..	Calm 0	E 1 ESE 2	N 2
2	SE	7·1	E 6	Calm 0 SW 1	SE 1 S 2	NE 4 ..	SE 2	E 1 E 1	NE 1
3	SE	7·3	E 7	Calm 0 SW 1	SE 1 S 1	ENE 4 ..	Calm 0	E 2 Calm 0	N 1
4	SSE	6·9	ENE 3	W 1 SW 1	SE 1 E 2	EbyN 4 ..	..	ENE 3 N 2	SW 1
5	SE	8·3	SE 4	Calm 0 SW 2	S 1 SE 1	E 6 ..	..	Calm 0 N 1	Calm 0
6	ESE	6·7	ESE 3	Calm 0 SW 2	S 2 S 1	E 5 ..	SE 2	NNE 3 E 1	N 0
7	SE	6·6	ESE 4	Calm 0 SW 2	S 2 SE 2	E 4 ..	Calm 0	E 3 E 1	Calm 0
8	SE	8·2	ESE 5	SW 1 SW 1	SE 2 SW 2	E 5 ..	..	NE 2 ESE 2	N 4
9	SE	6·6	E 5	Calm 0 SW 1	S 1 SW 1	E 5 ..	..	E 2 NE 4	NNE 5
10	SE	6·1	E 4	Calm 0 S 1	SE 1 SE 1	E 4 ..	..	NE 3 E 2	Calm 0
11	SE	6·3	ENE 2	Calm 0 SW 1	SE 1 SE 1	ESE 3 ..	..	E 4 E 3	Calm 0
12	ESE	6·2	ESE 3	W 1 SW 3	S 2 S 3	E 4 ..	..	E 4 E 3	Calm 0
13	ESE	6·1	E 2	Calm 0 SW 1	S 1 S 2	E 2 ..	SE 2	E 4 E 5	SE 2
14	SE	7·6	ESE 2	Calm 0 SW 1	SE 2 S 1	E 4 ..	SE 2	E 4 E 5	SE 2
15	SE	7·2	SE 3	Calm 0 SW 1	S 2 SW 2	EbyS 4 ..	Calm 0	E 0 E 2	E 2
16	SE	4·9	ESE 2	Calm 0 Calm 0	SE 2 S 1	EbyN 5 ..	SW 2	Calm 0 NE 2	N 0
17	SE	4·2	E 2	NE 1 SW 1	SE 1 S 2	E 4 ..	SE 2	NE 4 E 3	SE 1
18	SE	6·6	E 2	Calm 0 SW 1	S 1 SW 1	E 4 ..	Calm 0	ENE 3 E 3	N 1
19	ESE	7·6	ESE 3	W 1 SW 1	SW 2 S 3	EbyS 4 ..	..	ENE 4 ENE 5	ENE 3
20	SE	8·7	ESE 3	Calm 0 SW 4	S 2 S 1	EbyN 6 ..	..	ENE 4 E 4	Calm 0
21	SE	7·3	E 3	NW 1 SW 3	S 1 S 1	EbyN 5 ..	NE 2	E 4 E 5	SE 2
22	SE	6·8	E 3	NW 1 SW 1	S 2 S 2	E 4 ..	NE 2	E 4 E 5	NE 2
23	SE	6·9	NE 3	Calm 0 SW 3	SE 2 SE 1	EbyN 4 ..	N 2	E 4 E 4	NNE 2
24	SSE	6·4	E 3	Calm 0 SW 3	SE 1 S 2	EbyN 4 ..	Calm 0	E 3 E 4	Calm 0
25	SE	6·5	ENE 6	NW 1 SW 1	SW 2 SW 2	ENE 4 ..	Calm 0	E 4 E 4	S 1
26	SE	6·2	ESE 5	NW 1 SW 1	SE 1 SW 1	E 4 ..	..	E 3 E 3	Calm 0
27	SE	6·4	NE 5	NE 1 SW 1	S 1 S 2	E 4 ..	SE 2	E 3 E 4	Calm 0
28	SE	9·1	ESE 3	NE 1 SW 2	S 1 S 2	ESE 4 ..	NE 2	E 4 E 3	Calm 0
Mean	..	6·9	3·6	0·4 1·5	1·4 1·6	4·2 ..	1·2	2·9 2·9	1·0
§Resultant		135° (96)	100° (89)	235° (48)	170° (86)	85° (96)	110° (33)	80° (85)	55° (28)
§Normal		141° (90)	6·5	‖93° (79)	288° (21)	265° (30)	73° (82)	235° (19)	‖85° (35)	81° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—FEBRUARY 1922.

‡‡*Barents Sea.*—At Bear Island ice was observed towards the east on the 1st, but was not seen again until the 18th, when it was observed towards the southeast. On the 20th young ice formed round the island and remained for some days, but later the sea again became free of ice, though it remained visible towards the north.

‡‡*Spitsbergen.*—There was firm ice in all the fjords on the west coast excepting the Icefjords where there was drift ice.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is four days visible.

‡‡*Greenland Sea and Denmark Strait.*—The coasts of Jan Mayen were free of ice. At Angmagsalik there was "Storis" everywhere except on odd days, when a land water was formed.

‡‡*N. Atlantic and Labrador.*—Three icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being twelve. The Gulf of St. Lawrence was full of ice and there was pack ice everywhere in Belle Isle Strait and off Belle Isle.

‡‡*Davis Strait.*—At Cape Farewell the sea was free of ice until the 22nd, when the "Storis" reappeared far offshore. Further north the sea was open along the coast except that for a few weeks west ice was observed some 20 miles offshore from Holstensborg. In Fox Channel there was pack ice north of Winter Island and the firm edge was lying a few miles offshore; further north the edge was lying close against some small islands south of Cape Wilson.

‡‡ *Isforholdene i de Arktiske Have* 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MARCH 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MARCH 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MARCH—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1026·9	..	250·2	264·7	25th	243·1	233·0	4th	246·7	..	—0·7	2	— 4
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124																		
125	Upernivik	72 47	56 7	18·9	1012·6	1015·2	+ 2·8	255·1	273·3	19th	245·8	236·0	11th, 12th	250·5	*250·3*	—1·4	21	+ 4
135	Jan Mayen	70 59	W 8 18	23·1	1008·8	1011·7	..	..	273·9	1st	264·4	256·4	11th	..	266·8	..	25	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1007·6	1009·1	— 1·6	..	272·0	30th	250·2	238·2	29th	..	254·4	+1·2	19	— 5
140	Björnöen	74 28	19 15	40·5	1001·9	1007·2	..	..	..	..	258·0	..	..	..	*261·4*	..	11	..
141	Gjesvaer	71 6	25 22	6·5	1003·8	1004·6	— 0·8	..	276·2	23rd	266·3	264·0	7th	..	*269·4*	—0·3	87	+ 28
142	Mehavn	71 1	27 47	4·6	1003·9	1004·5	— 1·8	..	276·2	23rd	265·3	262·2	3rd	..	*267·7*	—0·9	85	+ 29
143	Vardö	70 22	31 8	6·8	1003·1	1004·0	— 1·8	..	273·6	23rd	266·2	262·6	22nd	..	*268·7*	+0·4	70	+ 19
147	Malye Karmakouly	72 23	52 43	14·8	1003·2	1005·1	— 5·5	261·7	268·5	26th	..	..	..	..	*258·8*	+0·9	5	— 2
148	Waigatz	70 24	58 47	11·2	1003·0	1004·5	— 3·7	261·1	270·0	28th	252·8	241·8	13th	257·0	*257·5*	..	8	..
153	Dickson	73 30 N.	80 23 E.	13	1009·8	1011·5	..	258·2	268·2	21st	251·4	236·6	15th	254·8	..	..	10	..

Between Latitude 70° N. and 60° N. **MARCH—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1015·6	+ 4·2	262·5	274·1	27th, 31st	254·5	237·4	4th	258·5	*258·4*	—1·8	0	— 23
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1017·3	+ 0·2	262·4	276·3	27th	248·2	231·3	3rd	255·3	*254·8*	—3·3	3	— 14
206	Rampart	65 30	150 15	122	..	..	..	260·8	271·3	27th, 28th	245·6	234·7	15th	253·2	..	—4·7	6	— 6
207	Valdez	61 7	146 16	8·2	..	1007·8	— 2·3	273·2	278·6	28th	263·6	254·7	9th	268·4	*267·8*	—0·5	42	— 34
208	Eagle	64 46	141 12	254	..	1018·9	+ 4·5	263·6	275·2	28th	246·1	231·9	15th	254·8	*254·4*	—4·5	2	— 9
209	Dawson	64 4	139 20	328	975·0	1019·0	+ 1·4	260·2	272·4	31st	245·8	233·0	16th	253·0	..	—4·3	7	— 7
210	Carcross	60 11	134 34	662	..	..	..	268·9	276·3	9th, 30th	253·8	243·0	18th, 19th	261·3	..	—1·2	5	— 8
211	Fort Good Hope	66 15	128 31	65·2	1016·6	1026·1	..	253·4	266·3	23rd	240·9	225·8	4th	247·2	..	..	8	— 10
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	996·9	1018·6	+ 0·7	258·7	270·2	8th, 29th	246·8	235·2	26th	252·8	..	—2·7	19	+ 6
225	Jacobshavn	69 13	51 2	12·6	..	..	..	262·4	275·7	28th	252·9	238·1	13th	257·7	*258·4*	+1·6	5	— 7
226	Godthaab	64 11	51 43	9·0	1002·6	1003·8	— 2·0	270·6	282·2	18th	263·3	254·4	10th	266·9	*266·6*	+1·3	16	— 29
227	Ivigtut	61 12	48 10	13·0	1002·0	1003·7	— 0·9	275·8	284·4	17th	267·4	256·4	7th	271·6	270·7	+2·4	123	+ 37
229	Angmagsalik	65 37	37 33	31·7	1006·2	1010·3	+ 3·5	270·8	277·2	30th	262·5	252·6	26th	266·7	*267·1*	+2·3	148	+ 86
231	Stykkisholm	65 5	22 46	25	1006·4	1009·5	+ 3·6	276·9	283·0	30th	271·0	264·2	26th	273·9	*273·9*	+3·2	66	+ 16
232	Vestmanno	63 24	20 17	132	993·1	1009·5	+ 5·6	278·5	281·4	13th	273·5	267·0	27th	276·0	*275·8*	+2·0	101	— 12
233	Grimsey	66 33	18 1	22·0	..	..	..	274·4	279·2	16th	269·7	259·4	12th	272·1	*272·0*	+2·3	..	..
234	Akureyri	65 40	18 5	35	..	1009·8	+ 2·8	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1007·6	1009·8	+ 3·9	277·5	284·2	15th	271·3	263·9	12th	274·4	*274·3*	+2·6	20	— 61
236	Thorshavn	62 3	6 45	26·3	1006·2	1009·5	+ 2·8	278·9	283·6	15th	274·0	269·5	27th, 28th	276·5	*276·6*	+0·6	100	— 24
237	Lerwick	60 9	W 1 11	46·9	1003·7	1009·6	+ 2·6	278·8	281·9	14th	275·3	271·3	19th	277·1	*277·1*	+0·3	60	— 20
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·0	1008·5	— 2·1	278·1	281·0	17th	273·4	268·4	21st	275·7	*275·6*	+0·6	120	— 1
239	Aalesund	62 28	6 10	6·3	1007·1	1007·9	— 1·1	..	280·7	23rd	..	..	..	..	*275·8*	+0·3	89	+ 9
240	Trondhjem	63 26	10 25	39·5	1002·2	1007·2	— 1·9	275·6	280·7	23rd	268·9	256·5	9th	272·3	*272·8*	+0·6	110	+ 55
241	Bodö	67 17	14 24	22·3	1002·5	1005·3	— 1·5	..	278·6	25th	267·9	262·0	9th	..	*271·1*	—0·3	67	+ 9
242	Haparanda	65 50	24 9	9·2	1003·9	1005·1	— 5·3	269·3	279·5	24th	260·5	251·0	8th	264·9	*265·3*	+0·4	23	— 3
242*a*	Helsingfors	60 10	24 57	11·7	1003·8	1005·2	— 7·3	272·0	276·0	28th	256·3	255·7	20th	269·2	269·4	+0·4	41	+ 6
243	Kuopio	62 54	27 40	90·3	992·2	1003·6	— 8·4	271·3	280·6	24th	264·2	249·0	21st	267·8	*268·1*	+1·0	50	+ 15
244	Kola	68 53	33 1	6·7	1003·5	1004·4	— 3·9	267·9	275·9	24th	261·5	251·1	1st	264·7	*265·1*	0·0	38	+ 27
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1001·9	1002·7	— 9·6	268·6	278·7	26th	261·4	248·0	20th	265·0	*265·1*	—0·1	22	+ 2
247	Mezen	65 50	44 16	14·9	1000·7	1002·6	— 8·1	267·1	276·6	31st	259·6	246·3	20th	263·4	*263·6*	+0·1	23	+ 17
248	Oust-Tsylma	65 25	52 18	? 68	995·4	1004·2	— 9·6	267·3	277·5	31st	259·0	246·4	24th	263·2	*263·1*	+1·0	17	+ 1
	Tcherdyn	60 24	56 31	?177	983·6	1006·1	—10·7	270·6	283·0	31st	263·3	249·9	6th	267·0	*266·8*	+1·9	48	+ 25
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	1004·6	1007·7	— 8·1	262·8	272·4	16th	253·6	242·7	7th	258·2	*258·1*	+3·3	25	+ 17
251	Sourgout	61 15	73 24	? 40	1006·6	1011·8	— 6·9	..	276·0	16th	259·1	247·2	2nd	..	*264·6*	+4·7	23	+ 9
252	Doudinka	69 23	86 4	20	1015·2	1017·8	+ 2·5	..	271·1	26th	252·9	236·2	8th	..	*256·7*	+7·9	1	— 4
253	Touroukhansk	65 47	87 57	? 45	1013·5	1019·4	+ 3·1	..	274·0	31st	257·4	237·3	15th	..	*261·8*	+5·5	8	— 3
254																		
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	230·4	..	..	*248·4*	—4·2	3	— 4
262	Iakoutsk	62 1	129 43	98	1009·8	1023·6	+ 3·5	..	264·6	31st	238·7	226·7	3rd	..	*246·0*	—4·7	1	— 4
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

(66/81)

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1005·1	— 2·2	272·7	275·8	23rd, 31st	268·5	253·6	6th, 7th	270·6	..	+1·0	29	— 27
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1004·0	— 2·8	277·5	281·9	31st	271·7	263·6	8th	274·6	*274·3*	+0·8	307	+ 178
304																		— 54
305	Dillingham	59 0	158 28	24·4	..	..	..	269·1	275·8	21st	260·3	248·6	8th, 9th	264·7	..	—3·0	2	— 41
306	Kodiak (Radio)	57 46	152 22	6·1	..	1005·7	— 1·7	275·7	281·3	21st	269·9	258·0	8th	272·8	*272·6*	—0·9	46	..
										Sea Temp.								
307	55°—50°N. 150°—145°W.	††51 34	††147 38	§(30)	..	1008·4	— 0·3	..	..	276·9|+1·1	..	..	..	..	275·8	—1·1	..	..
																		— 0
309	Sitka	57 3	135 19	27·4	..	1006·1	— 5·9	279·1	282·4	26th	270·6	264·7	16th	274·8	*274·5*	—0·8	134	— 78
310	Prince Rupert	54 18	130 18	51·8	1001·9	1008·3	— 4·1	278·6	281·3	30th, 31st	273·0	269·1	26th	275·8	*275·7*	—0·7	169	— 3
311	Barkerville	53 2	121 35	1274	860·8	1010·4	— 3·3	273·0	278·0	31st	263·6	251·9	27th	268·3	*268·3*	—1·2	62	+ 1
312	Kamloops	50 42	120 29	385	969·8	1017·0	— 1·7	280·8	286·9	29th	270·8	261·3	1st	275·8	*275·9*	—0·4	9	..
313	Calgary	51 2	114 2	1045	888·8	1013·5	— 2·0	276·3	284·1	2nd	263·0	246·9	27th	269·7	*269·1*	+0·4	13	— 4
314	Fort Chipewyan	58 42	111 10	218	989·1	1018·6	+ 0·7	262·6	279·7	2nd	250·9	232·4	26th	256·7	*257·5*	—1·2	44	+ 29
315	Prince Albert	53 10	105 38	442	960·6	1016·8	0·0	271·3	280·8	9th, 31st	258·6	238·6	26th	264·9	*264·7*	+1·8	45	+ 19
316	Qu'Appelle	50 30	103 47	645	936·3	1016·4	— 1·8	272·4	280·8	9th	261·9	246·3	27th	267·2	*266·8*	+3·0	45	+ 19
317	Minnedosa	50 15	99 50	515	953·9	1018·4	— 0·9	272·4	279·7	10th	263·0	246·9	27th	267·7	*267·3*	+4·1	46	+ 20
318	Berens River	52 18	97 23	216	..	..	..	270·3	285·8	14th	256·8	243·0	29th	263·5	..	+1·3	25	+ 0
318*a*	Port Nelson	57 4	92 36	14·9	1016·4	1018·4	+ 1·0	263·0	279·7	3rd	250·2	239·1	5th	256·6	..	+1·4	23	..
																		+ 25
319	Fort Hope	51 33	87 49	‡260	985·3	1018·9	+ 1·2	270·8	281·3	3rd	256·3	240·8	17th, 22nd	263·6	*263·9*	+2·5	51	..
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	268·4	276·3	4th	253·6	243·0	8th	261·0	..	..	..	— 13
322	Mistassini Post	50 15	73 55	383	..	..	..	..	280·8	7th	..	237·4	1st	..	..	..	41	..
323																		— 43
324	Natashquan	50 8	61 48	6·1	..	..	..	268·7	274·1	9th	253·6	243·0	2nd	261·1	..	—2·8	41	..
326	Belle Isle	51 53	55 23	133	990·9	1008·2	— 1·7	266·8	275·2	22nd	260·5	248·0	2nd	263·7	*263·7*	—1·7	..	..
										Sea Temp.								
333	53°—48°N. 20°—15°W.	††49 53	††17 22	§(45-60)	..	1010·4	..	..	..	283·5|—0·3	..	..	..	..	282·2	..	..	..
333*a*	62°—57°N. 20°—15°W.	††57 46	††17 3	§(11-15)	..	..	..	..	..	281·7|+0·5	..	..	..	..	280·2	..	..	— 30
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·3	1013·0	+ 0·2	282·5	286·3	15th	277·9	274·7	22nd	280·2	280·3	+0·1	77	— 11
335	Aberdeen	57 10	W 2 6	26·8	1007·6	1010·9	+ 1·4	279·8	284·7	3rd	275·0	270·2	31st	277·4	277·3	0·0	56	— 11
336	Greenwich	51 28	0 0	46·3	1006·2	1012·0	— 1·2	281·6	287·4	3rd	275·3	269·7	26th	278·4	278·2	—0·3	33	..
337	Uccle	50 48	E 4 22	100	999·2	1011·5	— 3·1	282·5	291·1	6th	274·6	268·9	23rd	278·5	277·6	0·0	59	+ 1
338	De Bilt	52 6	5 11	3·0	1010·8	1011·2	— 2·5	281·7	286·9	2nd	273·6	266·9	30th	277·7	277·2	—0·1	51	+ 24
338*a*	Hamburg	53 33	9 58	40·3	1005·8	1010·8	— 1·7	280·2	286·1	1st	274·4	269·1	31st	277·3	*276·7*	+0·5	76	+ 16
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1008·4	1009·0	— 3·3	277·3	282·9	6th	272·8	267·9	22nd	275·1	*275·0*	+0·6	47	— 16
340	Potsdam	52 23	13 4	84·9	1000·5	1011·1	— 2·2	280·7	291·5	7th	273·5	268·5	22nd	277·1	276·7	+0·2	34	— 11
340*a*	Uppsala	59 51	17 38	24	1003·4	1006·4	— 5·0	274·5	280·3	14th	267·7	256·0	21st	271·1	271·2	+0·5	41	+ 1
341	Warsaw	52 13	21 1	133	994·3	1010·7	— 4·5	279·4	287·5	7th	272·8	268·1	23rd	276·1	276·0	+1·9	48	+ 2
342	Tartu (Dorpat)	58 23	26 43	74·5	996·5	1005·9	— 7·2	272·8	277·9	7th	266·4	254·6	21st	269·6	269·5	—0·3	32	..
343	Petrograd	59 56	30 16	4·8	1004·2	1004·8	— 8·1	272·0	276·4	27th	265·9	254·2	20th	269·0	*269·1*	+0·3	25	+ 3
344	Kiiv	50 27	30 30	183	988·8	1011·5	— 4·5	278·0	285·1	11th	271·5	263·2	20th	274·7	*274·4*	+1·9	70	+ 11
344*a*	Moscow	55 50	37 33	167	986·6	1007·7	— 9·4	272·9	276·8	8th, 26th	266·3	252·2	23rd	269·6	*269·6*	+0·9	20	+ 24
345	Saratov	51 33	45 57	‡122	996·6	1012·1	— 7·4	273·2	277·3	10th	267·6	259·4	20th	270·4	*270·3*	+2·0	44	+ 44
346	Kazan	55 47	49 8	79·9	998·7	1008·8	—11·7	272·2	277·5	31st	265·6	254·8	17th	268·9	*269·0*	+2·2	62	+ 34
347	Orenburg	51 45	55 6	109	1001·8	1015·7	— 8·3	272·1	275·4	27th	264·6	254·8	18th, 21st	268·4	*268·9*	+3·7	14	+ 3
348	Perm	58 1	56 16	163	987·6	1008·2	—11·5	271·8	282·5	31st	265·3	254·0	6th	268·6	*268·6*	+2·7	63	..
349	Sverdlovsk	56 50	60 38	281	974·0	1009·4	—11·8	272·3	283·6	31st	265·3	254·5	7th	268·8	*268·7*	+3·1	27	+ 17
350	Tobolsk	58 12	68 14	108	998·0	1011·9	— 8·5	271·7	277·4	15th	263·0	250·6	7th	267·4	*267·3*	+3·4	19	— 3
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	— 5
352	Omsk	55 13	73 22	‡108	1002·3	1016·2	— 8·6	..	277·4	20th	262·6	251·9	7th	..	*266·5*	+5·2	9	+ 13
353	Barnaoul	53 20	83 48	162	1002·0	1022·8	— 5·0	273·1	281·7	21st	264·3	253·9	2nd	268·7	*268·8*	+6·1	27	+ 14
354	Tomsk	56 30	84 58	122	1003·4	1019·1	— 5·9	..	283·0	21st	264·1	252·0	29th	..	*268·7*	+6·3	38	..
355	Minousinsk	53 43	91 41	248	991·4	1023·3	— 4·6	..	277·6	25th	260·3	243·3	1st	..	*266·6*	+3·9	14	+ 10
356	Eniseisk	58 27	92 10	77·6	1010·3	1020·4	— 2·7	..	276·8	25th	258·4	244·2	3rd	..	*265·8*	+3·4	19	+ 6
357	Irkutsk	52 16	104 19	467	964·7	1024·4	— 2·9	270·8	275·5	12th	257·2	241·6	1st	264·0	*264·2*	+1·3	13	+ 0
358	Kirensk	57 47	108 7	263	988·4	1022·8	— 1·3	..	276·6	29th, 30th	253·5	240·1	21st	..	*261·5*	+1·6	17	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	— 2
361	Tygan Ourkan	54 5	124 46	379	970·6	1020·8	+ 0·4	264·1	274·5	31st	246·7	233·6	6th	255·4	*255·8*	—3·4	3	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	998·6	1017·5	— 1·3	264·0	274·0	31st	251·7	237·3	2nd, 3rd	257·8	*258·0*	—5·6	7	..
363																		— 1
364																		..
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		— 39
367																		— 61
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	269·1	277·5	27th	262·8	254·0	14th	266·0	*265·9*	+0·3	26	..
369																		— 65
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1005·7	1014·4	— 1·5	281·9	286·3	29th	275·8	273·0	21st	278·8	278·1	—0·6	55	— 7
412	Portland, Oregon	45 32	122 41	46·6	1011·4	1016·9	— 0·3	282·9	290·2	31st	275·7	271·9	25th	279·3	*278·9*	—1·6	167	+ 45
413	Macleod	..	..	..	..	..	..	276·2	285·8	22nd	265·9	248·6	27th, 28th	271·1	*271·1*	+1·0	30	+ 13
414	Helena	49 44	113 24	953	..	..	..	276·2	285·8	22nd	265·9	248·6	27th, 28th	271·1	*271·1*	+1·0	30	+ 13
414*a*	Salt Lake City	40 46	111 54	1329	867·2	1017·6	+ 0·8	280·3	293·0	23rd	270·9	261·9	2nd	275·6	*276·5*	—2·6	62	+ 10
415	Cheyenne	41 8	104 48	1856	808·8	1014·2	— 0·4	280·4	288·6	22nd	267·6	246·9	1st	274·0	*274·5*	+0·5	8	— 15
416	North Platte	41 8	100 45	859	915·5	1016·6	— 0·4	284·9	298·0	22nd	268·6	256·3	2nd	276·8	*276·2*	+1·6	12	— 9
416*a*	Bismarck	46 47	100 38	511	956·0	1018·6	+ 0·2	274·9	285·8	22nd	265·8	245·2	1st	270·4	*270·5*	+1·9	18	— 8
417	Winnipeg	49 53	97 7	232	988·6	1018·1	— 1·0	273·6	282·4	13th	264·1	249·7	28th	268·8	*268·6*	+1·2	34	+ 5
418	Duluth	46 47	92 6	345	975·8	1018·6	+ 0·7	273·5	281·9	13th	266·1	254·7	1st	269·8	*269·6*	+1·0	66	+ 26
419	Port Arthur	48 27	89 12	196	994·0	1018·9	+ 1·5	274·1	283·6	13th	264·7	255·8	22nd	269·4	*269·1*	+3·8	35	+ 13
420	Chicago	41 53	87 37	251	987·6	1018·3	+ 1·1	280·4	291·9	25th	273·8	268·0	1st	277·1	*276·8*	+1·5	142	+ 76
421	Toronto	43 40	79 24	116	1004·7	1019·3	+ 2·0	277·4	286·3	14th	270·2	262·4	18th	273·8	*273·6*	+2·1	82	+ 21
422	New York (Central Park)	40 47	73 58	47·4	1013·4	1019·3	+ 2·9	282·3	297·4	26th	273·7	264·7	1st	278·0	*277·8*	+1·4	140	+ 42
423	St. John, N.B.	45 17	66 4	36·2	1011·3	1015·9	+ 1·9	276·3	285·2	29th	268·6	254·7	2nd	272·4	*272·5*	+1·4	84	— 31
424*a*	S.W. Point, Anticosti	49 24	63 33	9·1	1012·0	1013·2	+ 2·3	270·8	276·3	8th	263·0	254·1	1st	266·9	*266·9*	+0·0	36	— 10
424	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
425	Port aux Basques	47 35	59 10	9·1	1012·2	1013·4	+ 2·6	271·3	277·4	23rd	264·7	255·8	2nd	268·0	*267·9*	—0·6	64	— 55
426	St. John's, Newfoundland	47 34	52 42	48·8	1003·4	1009·6	— 0·7	271·9	279·7	22nd, 24th	265·8	254·1	2nd	268·8	*268·9*	—1·8	49	— 68
										Sea Temp.							
430	50°—45°N. 35°—30°W.	††46 44	††32 31	§(72–92)	..	1007·7	..	..	..	284·2|—1·1	..	..	..	..	281·3	..	..	..
435	Madrid	40 24	3 41	667	937·9	1016·6	— 0·5	285·3	291·1	6th	276·0	271·6	24th	280·7	*280·1*	—1·2	51	+ 19
436	Nantes	47 15	W 1 34	36·5	1007·4	1011·8	— 3·1	284·7	294·0	18th	277·4	272·0	23rd	281·1	280·9	+0·7	88	+ 25
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1005·9	1012·2	— 2·8	284·1	293·4	13th	275·8	271·4	23rd	280·0	279·5	+0·2	71	+ 33
438	Marseille	43 18	5 23	75	..	1011·7	— 1·8	288·7	296·3	13th	279·3	273·1	25th	284·0	*283·5*	+0·5	11	— 36
438*a*	Zürich	47 23	8 33	493	954·5	1013·7	— 2·1	283·7	292·2	6th	274·3	269·0	25th	279·0	278·2	+1·0	74	— 1
439	Rome	41 54	12 27	45·5	1009·9	1015·2	+ 2·0	289·2	295·8	13th	281·1	276·2	30th	285·2	*285·2*	+1·6	93	— 10
440	Vienna	48 15	16 22	203	987·7	1012·5	— 2·3	282·6	291·4	6th	275·4	271·0	18th	279·0	278·9	+1·6	35	— 11
440*a*	Budapest	47 31	19 2	130	996·6	1012·5	— 2·6	285·0	292·0	10th	275·8	271·0	31st	280·4	*279·9*	+2·0	30	+ 14
441	Sofia	42 42	23 20	550	950·4	1015·2	+ 0·2	289·2	295·1	11th, 12th	276·8	269·5	19th	283·0	*282·5*	+4·4	14	— 28
442	Bucharest	44 25	26 6	82	1004·2	1014·2	— 1·8	289·2	299·7	22nd	275·5	270·4	19th	282·3	281·5	+3·5	27	— 15
443	Odessa (University)	46 29	30 46	65·3	1006·4	1014·5	— 2·2	..	..	..	275·2	268·2	18th	..	*278·5*	+2·9	12	— 15
444	Kharkiv (University)	50 0	36 14	140	995·1	1012·6	— 5·1	277·2	288·2	28th	270·2	256·9	20th	273·7	*273·5*	+1·9	53	+ 18
444*a*	Novorossiisk	44 44	37 49	37·1	1013·1	1017·7	+ 1·1	283·3	290·6	28th	277·1	266·6	19th	280·2	*280·1*	+1·0	36	+ 16
445	Tiflis	41 43	44 48	404	970·7	1019·0	+ 0·3	287·8	296·9	30th	277·0	268·2	22nd	282·4	282·1	+2·4	10	— 19
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1021·2	1018·3	— 1·5	281·8	291·5	30th, 31st	274·4	267·6	1st	278·1	*277·8*	+2·4	12	+ 2
448	Krasnovodsk	40 0	52 59	— 5·9	1019·2	1018·5	+ 0·2	286·0	295·1	30th, 31st	279·3	275·1	1st	282·6	*282·4*	+0·8	2	— 17
449	Kaszlinsk	45 46	62 7	67	1012·7	1021·1	— 1·3	281·3	294·8	19th	271·5	260·3	1st	276·4	*275·8*	+5·7	9	± 4
450	Tachkent	41 20	69 18	478	964·0	1021·0	+ 0·7	288·5	299·7	20th	278·1	270·4	5th	283·3	*282·4*	+1·7	35	— 28
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	922·4	1022·2	— 1·1	282·0	293·0	21st	271·9	262·3	6th	277·0	*276·7*	+3·4	46	— 9
461	Moukden	41 48	123 23	43·8	1013·7	1019·3	— 1·8	279·5	287·5	15th	267·0	256·5	1st	273·3	272·8	+1·1	5	— 13
462	Joshin	40 40	129 11	31·9	1013·5	1017·5	— 0·5	278·1	286·0	15th	269·9	260·9	1st	274·0	274·0	+0·4	3	— 19
463	Yuki	42 20	130 24	65·6	1008·5	1016·8	— 1·0	275·7	283·4	15th	267·2	254·3	1st	271·5	271·3	—0·2	9	— 14
464	Vladivostok	43 7	131 55	128	1000·6	1017·1	— 1·2	272·2	279·4	15th	264·6	253·1	2nd	268·4	*268·3*	—1·9	23	+ 7
465	Ochiai	47 20	142 47	27·4	1008·5	1012·1	— 0·7	267·1	276·8	30th	258·6	241·5	2nd	262·9	263·4	—1·9	38	+ 6
466*a*	Nemuro	43 20	145 35	26·7	1008·1	1011·5	— 2·0	273·4	278·7	30th	266·9	259·1	9th	270·1	270·3	—0·2	38	— 17
	Syana	45 14	147 53	39·3	1005·5	1010·6	— 2·0	271·2	277·8	31st	262·5	254·2	1st	266·9	267·2	—1·6	82	+ 14
		N.	E.															

Between Latitude 40° N. and 30° N.

MARCH—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
508	35°—30°N. 145°—140°W.	††31 8	††141 36	§(18)	..	1023·7	+ 0·3	..	..	Sea Temp. 289·1 | 0·0	..	..	..	..	288·6	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1013·8	1019·6	+ 1·4	287·5	293·6	20th	281·1	274·7	11th	284·3	*283·7*	—0·3	60	— 20
512	San Luis Obispo	35 18	120 39	61·3	1012·6	1020·3	+ 1·8	289·7	299·7	19th	278·7	271·9	12th	284·2	*283·4*	—1·0	88	— 2
513	San Diego	32 43	117 10	26·5	1015·2	1018·3	+ 1·5	289·4	295·8	30th	281·7	276·3	12th	285·6	*285·4*	—1·0	34	— 4
514	Modena	37 48	113 54	1670	831·4	1014·5	— 0·5	282·2	290·2	20th	268·6	259·1	1st	275·4	*275·4*	—1·0	11	— 20
515	Santa Fé	35 41	105 57	2138	784·1	1014·2	— 0·5	281·3	290·2	23rd	269·6	254·1	1st	275·4	*275·4*	—1·7	11	— 9
516	Denver	39 45	105 0	1613	833·5	1013·5	— 0·8	284·4	293·0	22nd	270·8	251·3	1st	277·6	*277·8*	+0·8	12	— 12
517	Abilene	32 23	99 40	530	953·6	1015·2	— 0·5	293·6	301·9	5th	278·9	260·8	2nd	286·2	*285·5*	0·0	31	+ 2
518	Saint Louis	38 38	90 12	173	995·9	1016·9	— 0·5	285·3	297·4	24th	276·4	266·9	1st	280·9	*280·6*	+1·1	123	+ 34
519	Mobile	30 41	88 2	17·4	1016·9	1018·9	+ 0·7	293·2	299·7	31st	284·1	273·6	3rd	288·7	*288·6*	+0·3	291	+127
520	Nashville	36 10	86 47	166	998·9	1018·9	+ 0·6	288·1	299·1	30th	279·3	269·7	2nd	283·7	*283·9*	+1·0	237	+107
521	Charleston	32 47	79 56	14·6	1018·9	1020·6	+ 2·1	292·4	299·7	29th	283·6	275·2	5th	288·0	*288·4*	+0·8	80	— 6
522	Washington	38 54	77 3	34·1	1015·8	1020·0	+ 2·3	285·0	298·6	26th	275·8	268·0	1st	280·4	*280·5*	+1·3	120	+ 23
523	Bermuda	32 17	64 46	46·0	1017·9	1023·4	+ 5·9	293·6	296·3	4th, 5th	286·9	279·7	19th	290·2	*289·9*	—0·4	42	— 80
524	Santa Cruz (Flores)	39 27	31 9	40	1017·2	1021·7	— 0·5	290·0	294·9	6th	284·7	281·2	3rd	287·3	*287·3*	+0·3	131	— 23
530	Horta	38 32	28 38	65	1015·6	1022·8	+ 0·9	289·4	293·1	18th	284·3	282·8	3rd	286·8	286·8	—0·6	38	— 47
531	Ponta Delgada	37 44	25 40	22	1021·4	1023·2	+ 2·0	289·0	292·4	18th	285·1	282·4	10th	287·1	287·1	0·0	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1022·3	‡1025·1	+ 6·2	290·2	292·2	19th	284·8	282·7	24th	287·5	*287·6*	—0·8	27	— 65
533	Lisbon	38 43	9 9	95	1006·4	1018·0	+ 1·6	287·3	291·3	5th	281·9	277·1	23rd	284·6	284·4	—1·0	3	— 84
534	Melilla	35 18	2 59	8	1018·4	1019·4	+ 1·4	291·8	294·2	19th	282·0	278·2	24th	286·9	*288·7*	—0·5	61	— 26
535	Gibraltar	36 6	5 21	16·2	1016·7	1018·7	+ 1·6	290·2	295·2	6th	282·7	278·6	23rd, 24th	286·5	*286·2*	—0·7	35	— 27
535*a*	Colomb-Béchar	31 6	1 46	786	926·4	1015·8	..	291·4	302·8	31st	280·0	276·0	25th	285·7	*288·0*	..	71	— 51
536																	0	..
536*a*																		— 65
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

MARCH—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1011·5	1014·3	— 1·3	289·9	295·2	12th	280·4	276·2	3rd	285·1	..	—0·6	23	— 10
538	Algiers (Bouzaréah)	36 48	3 2	342	975·9	1015·5	— 0·1	288·9	296·9	12th	282·3	276·1	24th	285·6	285·2	+0·8	17	— 67
539	Tunis	36 48	10 10	21	1013·5	1016·0	..	295·2	306·0	21st	283·9	279·0	25th	289·5	*289·0*	+3·6	8	— 26
539a	Malta	35 54	14 31	56·4	..	1018·1	+ 4·2	291·0	296·9	23rd	285·4	281·3	4th	288·2	*287·4*	+1·3	10	— 25
540	Riposto	37 41	15 14	14·2	..	1019·3	+ 3·0	291·5	294·4	27th	284·2	282·2	6th	287·9	*287·0*	+1·1	20	— 25
541	Athens	37 58	23 43	107	1004·5	1017·3	+ 3·0	291·4	296·0	14th	283·3	278·2	19th	287·4	287·1	+2·7	5	— 11
542	Alexandria	31 12	29 53	32·0	1014·7	1018·6	+ 3·2	295·8	308·1	25th	286·5	284·1	5th, 6th	291·1	*290·8*	+1·7	3	— 39
543	Nicosia (P.W.D.)	35 9	33 22	159	998·3	1017·0	+ 2·5	293·6	298·6	25th	280·2	275·2	1st	286·9	..	+1·3	3	— 46
544	Beirut	33 54	35 28	33·7	..	1017·8	+ 2·9	292·1	300·0	26th	285·8	279·6	1st	288·9	*288·9*	+0·6	52	— 16
545	Hinaida (Baghdad)	33 20	44 26	a43·0	..	1017·0	+ 2·3	295·1	304·4	29th	283·2	276·9	2nd	289·2	*287·9*	..	50	— 14
546	Lenkoran	38 46	48 52	—20·0	1021·2	1018·8	— 0·1	..	..	..	277·4	273·1	22nd	..	*280·7*	+0·3	25	— 14
547	Tehran	35 41	51 25	1220	..	..	..	288·6	298·6	30th	..	..	..	..	‡*280·1*	..	34	+ 1
548	Meshed	36 16	59 35	946	880·2	..	..	287·2	297·8	20th	275·3	265·1	2nd	281·3	..	+0·6	64	— 20
549	Seistan	31 0	61 30	?	..	..	..	294·3	302·6	21st	282·7	276·5	3rd	288·5	..	..	4	— 15
550	Quetta	30 11	67 3	1677	834·4	..	+ 0·6	291·2	296·2	23rd	276·4	269·1	6th	283·8	*284·0*	+0·2	36	— 13
551	Peshawar	34 2	71 37	339	975·0	1014·9	— 0·7	298·2	304·2	24th	283·8	277·4	3rd	291·0	*290·6*	+0·6	33	— 13
551a	Lahore	31 34	74 20	214	986·5	1011·5	— 1·2	302·7	308·8	25th	286·9	279·3	4th	294·8	*294·5*	+0·9	0	— 16
552	Simla	31 7	77 8	2205	781·4	..	+ 0·8	288·0	293·7	25th	280·8	272·1	5th	284·4	*284·6*	+1·3	30	— 5
552a	Leh	34 10	77 42	3503	665·9	..	+ 1·1	280·9	287·9	26th	268·8	260·2	6th	274·9	*274·2*	+1·6	2	— 20
559	Hankow	30 35	114 17	37·0	1016·6	1021·1	— 0·5	288·9	296·7	26th	280·2	275·1	2, 8, 24	284·5	*284·1*	+0·9	63	— 13
560	Tientsin	39 10	117 10	5·0	1019·9	1020·5	— 1·7	284·5	293·0	13th	272·9	266·2	1st	278·7	*278·6*	+0·9	0	— 15
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1020·6	— 0·6	287·5	298·3	19th	277·5	270·8	2nd	282·5	281·8	+1·0	52	— 23
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1012·0	1020·5	— 0·0	280·1	286·0	30th	272·2	266·5	1st	276·1	275·5	—0·3	49	— 12
562a	Nagasaki	32 44	129 52	133	1002·5	1018·7	— 0·2	286·2	292·1	19th	277·6	272·8	24th	281·9	281·7	—0·4	130	— 12
563	Kyoto	35 1	135 44	42·9	1013·0	1018·3	+ 0·5	285·3	291·3	14th	273·6	268·2	9th	279·5	278·8	—0·4	125	— 14
564	Tokyo	35 41	139 46	5·8	1013·3	1014·0	— 2·4	285·1	292·8	19th	274·5	270·3	1st	279·8	279·6	—0·3	105	— 20
565	Kanayama	37 53	140 46	24·6	1012·6	1015·6	— 0·6	281·8	290·6	15th	271·5	264·4	9th	276·7	276·1	—0·6	73	— 18
566	Miyako	39 38	141 59	30·4	1010·7	1014·5	— 1·1	281·1	289·2	17th	270·3	264·9	8th	275·7	275·1	—0·5	67	— 18
		N.	E.														*	

MARCH—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1016·9	— 1·8	296·6	299·7	12th	289·5	283·6	22nd	293·1	*292·6*	..	94	— 0
605	Honolulu	21 19	157 52	11·6	1017·0	1018·3	+ 1·0	297·9	300·2	..	292·3	290·2	..	295·1	*294·9*	+0·3	90	— 0
614	La Paz	24 9	110 20	12	1012·3	1013·7	..	296·9	305·2	21st	280·8	277·2	11th	288·9	..	..	0	..
615	Chihuahua	28 38	106 4	1423	858·9	1014·5	..	292·6	298·7	16th	279·0	266·7	1, 2, 3	285·8	*286·8*	..	1	— 18
616	Leon	21 7	101 41	1809	820·1	1007·9	— 2·7	300·3	303·2	31st	283·3	279·7	4th	291·8	*292·6*	+1·2	0	— 26
616a	Monterry	25 40	100 18	528	954·3	1014·5	+ 0·9	299·5	308·9	30th	284·7	271·8	1st	292·1	*292·1*	—0·4	0	— 26
617	Tulancingo	20 5	98 22	2181	790·5	..	..	295·3	298·5	13th, 17th	282·0	276·0	4th	288·6	*288·5*	+0·4	7	— 25
618	Galveston	29 18	94 50	16·5	1015·8	1017·9	+ 0·6	292·4	299·7	14th	286·5	273·6	3rd	289·4	*289·4*	—0·4	68	— 100
618a	New Orleans	29 57	90 4	16·2	..	1018·6	+ 1·2	294·4	301·3	30th	285·5	274·7	3rd	289·9	*289·9*	0·0	215	— 85
619	Merida, Yuc.	20 58	89 38	22	1014·7	1017·2	0·0	304·3	307·0	31st	294·0	291·2	23rd	299·1	*298·7*	+0·8	80	— 39
620	Havana	23 8	82 21	24·3	..	1018·6	+ 1·3	301·8	304·8	7th	293·5	289·8	22nd	297·7	*297·2*	+1·2	94	— 24
620a	Key West	24 33	81 48	6·7	1018·0	1018·6	+ 0·9	299·9	302·4	12th	294·9	289·7	23rd	297·4	*296·7*	+1·7	2	— 77
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	22	— 31
622	Watling Island	24 6	74 26	33·5	1016·7	1020·6	+ 3·8	..	300·8	sev. dates	..	291·9	23rd	..	*297·4*	..	..	..
633	Izaña	28 19	16 30	2367	767·1	..	..	278·9	283·5	18th	272·2	265·8	12th	275·6	*275·4*	—1·4	88	— 61
634	La Laguna	28 28	W16 20	547	957·4	1021·7	+ 5·3	290·5	297·0	8th	281·3	276·4	4th	285·9	*285·3*	—0·7	34	— 11
641	Siwa	29 12	E25 29	—23	1020·8	1018·0	..	299·3	310·3	26th	281·1	276·0	4th	290·2	..	..	2	— 8
642																		
643	Cairo (Helwan)	29 52	31 20	116	1003·8	1017·4	+ 2·2	297·8	309·0	28th	284·3	279·9	4th	291·1	*290·8*	+0·7	8	— 5
643a	Aswan	24 2	32 53	99·6	1003·4	1015·1	+ 1·3	304·4	315·1	31st	286·6	282·0	sev. dates	295·5	*294·8*	+0·9	..	..
644	Tor	28 14	33 37	1·9	1015·1	1015·4	+ 1·7	297·0	303·9	27th	284·6	279·7	1st	290·8	*291·0*	—0·1	1	— 3
647	Bushire	28 59	50 53	4·3	1015·3	1015·9	+ 1·2	294·9	302·6	21st	288·2	284·1	2nd	291·5	*290·9*	—0·1	0	— 0
648	Jask	25 44	57 47	4·0	1013·5	1014·1	+ 0·2	300·7	303·7	29th	292·3	288·4	5th	296·5	*295·9*	+0·7	0	— 0
649	Karachi	24 53	66 57	4·0	1012·5	1012·9	— 0·1	300·4	302·4	8th	293·4	287·9	5th	296·9	*296·3*	+0·4	0	— 0
650	Jacobabad	28 17	68 29	56·7	1005·9	1012·4	+ 0·1	306·4	311·8	24th	289·4	281·3	7th	297·9	*297·4*	+0·9	0	— 0
651	Jaipur	26 56	75 52	436	963·4	1012·7	— 0·2	306·3	311·1	25th	288·0	279·8	4th	297·2	*297·0*	+0·2	0	— 0
652	Nagpur	21 8	79 5	310	977·1	1011·8	+ 0·1	310·7	314·7	28th	293·1	287·8	6th	301·9	*301·5*	+0·9	0	— 0
653	Allahabad	25 25	81 51	94·1	1001·0	1011·3	0·0	308·3	313·3	20th	289·8	283·4	6th	299·1	*298·7*	+1·2	0	— 0
653a	Darjeeling	27 3	88 18	2266	776·0	..	+ 0·3	288·4	291·7	29th, 31st	280·6	276·2	8th	284·5	*284·7*	+2·0	20	— 20
654	Calcutta	22 36	88 23	6·4	1009·8	1010·6	— 1·1	308·5	311·6	30th	294·2	286·5	9th	301·3	*300·9*	+1·7	1	— 21
655	Gauhati	26 8	91 41	59·7	1004·8	1011·7	— 1·1	304·8	308·2	30th	289·5	282·8	7th	297·1	*296·2*	+1·7	1	— 21
655m	Cherrapunji	25 15	91 42	1314	868·8	..	— 0·4	294·7	297·2	1st	286·7	283·2	9th	290·7	*290·0*	+1·6	450	— 23
655a	Akyab	20 11	92 56	6·1	1010·8	1011·5	— 0·9	303·9	306·8	14th	293·4	287·2	10th	298·7	*298·8*	—0·1	0	— 59
656	Mandalay	21 59	96 0	76·2	1002·2	1010·8	— 0·7	310·8	313·2	23rd	294·2	289·4	10th	302·5	*302·1*	+1·2	2	— 12
656a	Tengyueh	25 2	98 33	1625	835·1	1010·1	— 0·4	293·2	296·3	5th	279·3	274·7	10th	286·2	*285·8*	+0·1	92	— 14
657	Phu Lien	20 48	106 38	116	1000·5	1014·1	— 0·1	294·5	300·9	5th	289·9	285·0	25th	292·2	291·9	—0·1	108	— 18
658	Moncay	21 31	107 51	9	1013·5	1014·5	— 0·3	294·5	301·0	6th	289·1	282·9	1st	291·8	*291·8*	—0·1	118	— 18
659	Hongkong	22 18	114 10	33·2	..	1015·4	— 0·5	293·3	298·2	13th	289·2	284·6	1st	291·3	290·8	+0·6	93	— 18
660	Amoy	24 27	118 4	ca.3	1016·1	1016·5	— 1·5	291·1	296·9	16th	286·1	282·4	1st, 9th	288·6	*288·4*	+0·3	125	— 18
661	Taihoku, Formosa	25 2	121 31	9·3	1016·3	1017·4	— 0·2	293·9	301·9	16th	287·7	284·2	8th	290·8	290·3	+0·4	109	— 18
661a	Basco	20 28	121 59	18·7	1010·3	1012·7	— 0·5	300·2	303·4	6th	294·2	289·5	25th	297·2	*297·3*	+0·3	48	— 18
662	Naha	26 13	127 41	10·5	1015·7	1016·9	— 0·4	294·9	300·1	16th	288·1	284·0	21st, 26th	291·5	291·3	+0·4	231	— 18
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·5	1017·0	+ 0·2	294·0	296·4	15th	288·2	283·1	27th	291·1	291·0	—0·5	67	— 18
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

MARCH—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	956·6	1011·9	..	303·5	304·9	23rd	292·8	290·6	4th	298·1	*297·0*	..	0	..
716	Morelia	19 42	101 7	1923	810·8	1010·6	..	298·0	301·1	19th	283·7	280·4	4th	290·9	*290·8*	..	1	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	+ 0·3	300·0	303·5	11th	280·5	277·0	4th	290·3	289·0	+0·7	34	+ 24
718	Salina Cruz	16 12	95 12	56	1004·5	1010·9	..	302·1	306·2	8th	296·3	292·4	4th	299·2	*299·1*	—0·2	0	— 15
719	San Salvador	13 42	89 13	682	938·0	1013·5	+ 1·1	306·7	308·2	14th	289·5	287·2	17th, 18th	298·1	‡*296·4*	—0·3	35	+ 18
720	Belize	17 29	88 12	5·2	1014·1	1014·6	— 0·5	..	..	..	295·7	289·7	4th	..	*299·1*	+0·9	20	— 17
721	Jamaica (Negril Pt.)	18 15	78 23	10·1	..	1015·2	+ 0·9	302·1	303·8	18th	292·7	290·8	10th	297·4	*297·2*	—0·2	214	+148
722	Port au Prince	18 33	72 20	37·4	1012·4	1016·7	+ 1·1	304·3	306·3	11th	293·8	291·1	7th	299·1	*298·7*	+0·3	81	— 13
723	Caracas	10 30	66 55	1042	900·2	1015·2	+ 1·2	298·6	301·0	12th	287·0	283·7	23rd	292·8	*291·2*	—0·7	7	— 8
724	Montserrat	16 41	62 9	39·6	1011·7	1016·2	— 0·2	..	..	..	294·1	292·4	24th, 29th	..	..	..	279	+176
724a	Grenada (Richmond Hill)	12 5	61 46	155	‡996·5	‡1014·4	+ 1·2	300·9	303·6	23rd, 24th	295·0	293·0	11th	297·9	*297·4*	—0·5	131	+ 61
725	Barbados	13 8	59 36	55·2	..	1015·0	+ 0·1	301·3	302·7	23rd	294·3	292·0	23rd	297·8	*297·5*	—0·1	85	+ 36
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·8	1015·1	+ 0·5	295·7	298·0	13th	288·6	285·2	5th	292·1	*293·4*	—1·0	0	— 1
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·6	1014·6	0·0	298·1	302·6	8th	292·6	291·1	12th	295·3	*295·5*	—0·1	0	— 2
733	Bathurst	13 27	16 34	1·8	..	1013·8	+ 0·3	303·2	308·6	2nd, 29th	290·8	288·0	20th	297·0	*296·6*	—0·3	0	0
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	314·7	315·8	31st	294·8	291·9	18th, 31st	304·7	..	+2·0	0	0
735a	Nienébalé	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	5	..
737	Sokoto	13 2	E 5 14	353	..	..	..	311·8	317·4	28th	294·2	289·1	3rd	303·0	*302·8*	—0·2	0	— 3
738	Kaduna Capital	10 32	7 25	637	..	..	..	..	..	..	..	..	..	..	..	..	..	..
739	Hadeija	12 40	10 5	?	..	..	..	312·8	319·1	27, 29, 31	..	..	..	..	‡*302·7*	—0·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	312·5	319·1	29, 30, 31	291·4	288·0	10th, 24th	301·9	*301·6*	—0·7	0	0
741	El Fasher	13 32	25 18	730	..	..	..	307·0	313·4	30th	284·4	279·5	23rd	295·7	*295·5*	..	0	..
743	El Obeid	..	..	..	..	..	..	306·9	313·1	28th, 31st	..	..	..	..	..	..	..	..
743a	Khartoum	13 11	30 14	569	..	..	..	306·7	313·2	28th	290·3	283·4	22nd	298·5	*298·9*	—1·3	0	— 2
744	Port Sudan	15 37	32 33	390	965·8	1009·5	+ 0·3	306·7	313·2	28th	290·3	283·4	22nd	298·5	*298·9*	—1·3	0	— 2
745	Berbera, Somaliland	19 37	37 13	5·5	1012·4	1013·2	+ 1·2	301·4	304·2	20th	292·4	288·1	2nd	296·9	*296·6*	—0·1	0	— 2
746	Aden	10 22	45 2	9·5	1011·0	1012·1	— 1·4	302·7	305·8	26th	294·3	292·4	3, 4, 28	298·5	*299·7*	—0·7	5	— 18
751	Bombay	12 45	45 3	28·7	1010·4	1013·7	+ 0·4	300·8	303·1	30th	295·6	294·4	5th	298·2	*297·5*	—1·2	33	+ 19
752	Kodaikanal	18 54	72 49	11·3	1011·2	1012·5	— 0·2	303·8	306·2	9th	295·7	292·5	6th	299·7	299·1	+0·3	0	— 1
752a	Bangalore	10 14	77 28	2343	771·9	..	— 0·3	295·0	297·1	30th	282·9	280·4	11th, 13th	288·9	*288·1*	+0·8	0	— 60
753	Madras	12 59	77 38	920	911·7	1011·5	0·0	306·9	308·7	31st	291·6	286·9	1st, 2nd	299·3	*298·8*	+0·9	0	— 14
754	Vizagapatam	13 4	80 14	6·7	1011·5	1012·2	— 0·3	305·9	309·3	16th	295·3	291·8	1st	300·6	*299·7*	+0·3	0	— 4
755	Port Blair	17 42	83 19	11·6	1010·4	1011·7	— 0·5	305·0	308·1	15th	297·6	294·9	2nd	301·3	*300·4*	+0·5	0	— 9
756	Rangoon	11 40	92 40	18·0	1009·1	1011·2	— 1·0	303·8	305·4	27th	296·6	294·2	6th	300·2	*299·3*	—1·1	15	— 3
757	Saigon	16 46	95 48	5·5	1011·4	1012·0	— 0·1	307·4	309·8	13th	295·2	293·5	17th	301·3	*299·8*	—0·4	32	+ 23
758	Nhatrang	10 47	106 42	11	1008·6	1009·8	— 0·6	306·1	310·5	6th	296·6	294·0	25th	301·3	*300·7*	—0·4	129	+122
759	Bolinao	12 15	109 12	3·6	1011·0	1011·4	— 0·7	302·3	304·3	15th	295·5	294·3	2nd	298·9	*298·4*	—0·1	305	+283
761	Vigan	16 23	119 53	7·1	1008·1	1009·0	— 1·8	306·6	?309·8	27th	296·3	294·7	4th	301·5	*300·3*	+0·1	1	— 14
761a	Manila	17 34	120 23	12·2	..	1010·3	— 1·1	305·0	307·4	12th	295·9	293·0	11th	300·5	300·3	+0·5	48	+ 40
762	Ormoc	14 35	120 59	14·2	..	1010·9	— 0·4	305·8	307·8	21st	294·3	291·5	8th	300·1	299·4	—0·2	7	— 14
765	Guam, Ladrone Is.	11 0	124 36	5·6	1006·7	1007·4	— 2·6	305·0	306·1	11th, 12th	294·4	292·2	8th, 9th	299·7	*299·5*	+0·8	71	— 21
		13 24	144 38	20·4	1006·6	1009·2	— 0·7	302·4	304·0	30th	297·2	295·8	1st	299·8	*299·5*	—0·1	118	+ 38
		N.	E.															

Between Latitude 10° N. and 0°.

MARCH—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1010·1	1010·8	..	303·4	304·7	17th	298·1	296·0	19th	300·7	*300·3*	+0·1	233	— 87
821	Colon	9 23	79 23	11·0	..	1011·9	— 0·3	303·6	304·7	7th	298·2	296·9	16th	300·9	*300·5*	+1·1	23	— 17
822a	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	166	+ 63
823	Merida, Venez.	8 36	71 9	1641	‡841·8	..	0·0	295·9	298·5	13th	287·7	285·5	10th	291·8	*290·7*	—0·4	183	+ 90
824	Ciudad, Bolivar	8 9	63 33	38	..	..	..	306·4	308·3	24th	295·9	294·7	5th	301·2	*300·5*	..	33	— 2
825	El Peru, Guayanavieja	7 19	61 49	220	987·0	1012·1	+ 0·8	302·1	305·3	31st	292·3	290·9	5th	297·2	*296·6*	—0·9	33	— 16
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·6	+ 1·8	301·9	302·4	sev. dates	297·2	296·3	3, 16, 30	299·6	*299·3*	0·0	48	—134
826a	Paramaribo	5 49	55 9	3·7	‡1014·1	‡1014·5	+ 1·6	302·9	305·3	5th	295·4	293·6	23rd	299·1	*298·9*	+0·6	117	— 91
	Cayenne	4 56	52 21	6	1013·3	1014·0	+ 2·3	302·5	303·0	sev. dates	294·9	291·0	15th	298·7	*298·3*	+0·1	190	—212
831	10°—5°N. 30°—25°W.	†††7 14	††27 7	§(66–72)	..	1012·5	+ 0·6	..	..	Sea Temp.	..	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	303·6	305·0	10, 25, 28	296·2	295·0	5, 16, 28	299·9	*299·4*	—1·6	4	— 1
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·2	1011·0	+ 0·3	305·7	308·0	9th, 16th	297·0	295·8	16th, 22nd	301·3	*300·3*	+0·3	0	— 29
835	Assuantsi	5 18	1 15	101	..	..	..	304·4	306·3	17th	295·2	292·4	1st	299·8	*299·2*	..	89	..
836	Accra	5 33	W 0 12	**	..	1009·2	..	304·8	306·3	18th	297·3	294·7	23rd	301·1	*300·6*	+0·7	36	— 10
838	Lagos	6 27	E 3 24	4·6	1009·8	1010·3	— 0·6	305·2	306·5	13th	298·8	295·2	22nd	302·0	*301·6*	+0·4	38	— 57
839	Zungeru	9 48	6 10	130	..	..	..	310·9	313·0	12, 16, 25	294·2	288·6	17th, 24th	302·5	*302·2*	—0·8	0	— 14
841	Yola	9 12	12 30	259	..	..	..	311·4	314·7	20th	..	..	..	..	‡*303·1*	—0·8	0	— 9
	Wau	7 42	28 3	440	..	..	..	313·2	314·5	29, 30, 31	292·7	289·0	25th	303·0	*300·9*	—0·5	1	— 21
843	Malakal (Kodok)	9 35	31 37	394	964·6	1008·0	+ 1·2	..	..	..	..	..	..	..	..	..	..	..
843a	Mongalla	5 11	31 47	439	958·3	1006·3	+ 0·7	310·7	314·5	12th	295·0	292·0	23rd, 24th	302·8	*302·0*	+0·9	11	— 28
844	Entebbe	0 5	32 29	1171	883·3	1009·5	+ 0·2	298·1	300·9	20th	290·1	288·0	1st, 30th	294·1	*294·0*	—0·7	204	+ 56
851	Mbinicoy	8 17	72 49	2·1	1012·2	1012·4	+ 0·3	..	..	..	..	..	..	..	..	..	0	— 25
851a	Cochin	9 58	76 21	2·7	1012·1	1012·5	+ 0·4	305·3	306·8	13th	298·5	295·4	4th	301·9	*301·0*	—0·1	146	+ 94
852	Colombo Observatory	6 54	79 53	7·3	..	1010·8	+ 0·8	304·8	305·9	2nd	296·3

MARCH—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1009·9	1010·8	+ 0·8	..	..	..	..	..	..	..	*300·1*	−0·6	67	— 53
924	Manaos	3 8	60 1	43·8	..	..	..	302·0	305·0	29th	295·5	293·0	3rd	298·8	*298·2*	−1·4	283	+ 81
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	+ 0·2	302·4	304·1	20th	295·4	294·7	29th	298·9	*297·9*	+0·1	424	..
927	Turyassu	1 43	45 26	15·1	1009·2	1010·9	+ 0·1	303·3	304·8	12th, 28th	295·0	293·9	5th	299·2	*298·1*	−0·3	446	+ 4
928	Barra do Corda	5 30	45 16	81·0	1000·1	1009·4	— 0·6	303·6	304·8	16th, 17th	294·5	291·0	6th	299·0	*298·0*	0·0	171	— 15
929	Quixeramobim	5 16	39 15	207	988·3	1011·7	+ 0·3	305·2	307·2	18th, 19th	297·5	295·0	12th	301·4	*300·5*	+0·5	218	+ 72
930	Fernando Noronha	3 50	W32 25	106	999·4	1011·3	— 0·4	301·3	302·6	5th, 8th	297·3	295·7	12th, 27th	299·3	*298·8*	+0·3	259	+ 29
939	Loanda	8 49	E 13 13	59·3	..	1012·1	+ 1·9	301·8	303·0	9, 16, 21	297·3	295·2	7th	299·5	299·6	+0·5	77	+ 12
940	Brazzaville	4 17	15 16	320	976·4	1012·3	+ 1·4	306·1	311·0	13th, 28th	294·0	292·0	20th, 31st	300·0	*299·2*	+0·2	90	— 57
943	Masaka	0 21	31 47	‡1280	..	..	..	304·8	310·2	22nd	..	..	..	..	*292·4*	−0·7	105	+ 11
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	299·7	303·0	9th, 21st	287·4	283·6	18th	293·6	..	..	247	+ 95
944*a*	Zanzibar	6 10	39 11	21·9	1010·6	1013·0	+ 0·3	303·7	305·7	23rd	296·7	296·9	8th	301·7	*301·1*	+0·3	98	— 25
945	Lamu	2 16	40 50	3·1	..	..	..	303·0	304·7	29th	298·6	296·3	28th	300·8	*300·4*	−0·1	0	— 81
947	Seychelles, Port Office	4 37	55 27	4·6	1010·7	1011·3	+ 0·6	..	..	..	298·7	297·2	25th	..	‡*301·4*	−0·1	297	..
957	Padang	0 56	100 22	6·7	..	1010·5	— 0·3	..	..	..	..	..	..	..	..	..	241	— 54
958	Batavia	6 11	106 50	8·0	1008·5	1009·4	— 0·4	303·3	305·3	22nd	296·7	295·4	10th	300·0	299·3	+0·3	146	— 29
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	0·0	..	..	..	..	..	..	..	..	..	169	+ 15
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	222	+ 55
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	506	..
962	Amboina	3 42	128 10	4·2	..	1008·2	— 1·0	..	..	..	..	..	..	..	..	..	222	+ 89
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	1008·3	— 1·3	302·4	..	..	297·0	..	..	299·7	*299·3*	−0·5	243	— 84
966	Port Moresby	9 29	147 9	39·0	..	1009·6	+ 0·4	303·9	..	..	297·1	..	..	300·5	*300·0*	0·0	375	+ 202
967	Rabaul	4 9	152 12	20·7	..	1007·8	..	305·6	307·2	19th	296·1	294·9	7th	300·8	*300·2*	+0·6	221	— 43
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	362	— 165
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1009·1	1009·3	+ 1·3	?304·4	306·2	2nd	?297·6	?296·7	27th	?301·0	*?300·7*	+0·3	283	— 211
970	Ocean Island	0 52	169 35	54·0	1001·5	1007·7	+ 0·1	304·0	304·7	5, 25, 29	298·5	296·9	15th, 17th	301·3	*300·7*	+0·5	14	— 209
		S.	E.															

MARCH—ZONE 10.

Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1010·4	+ 1·2	302·8	305·6	7th	297·7	296·6	7th	300·2	299·9	+0·7	106	— 240
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	304·1	308·0	9th	296·7	295·2	6th, 23rd	300·4	*300·1*	+0·5	284	— 14
1021	Arequipa	16 22	71 33	2451	761·2	..	+ 0·5	293·6	295·8	13th	282·8	280·5	9th	288·2	*287·2*	+0·7	1	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·8	281·0	21st	..	*294·3*	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·3	..	..	288·9	294·5	26th	280·4	276·6	2nd	284·7	*284·5*	..	31	— 60
1025	Corumba	18 59	57 39	116	996·6	1009·6	+ 0·6	304·7	309·0	20th	294·2	290·4	30th	299·4	*298·8*	−0·7	71	— 155
1026	Cuyaba	15 36	56 6	165	991·2	1009·8	+ 0·6	305·2	308·0	18th	295·3	293·5	8th	300·2	*299·0*	—1·0	58	— 126
1027	Bello Horizonte	19 55	43 57	895	913·4	1011·6	— 1·1	300·6	303·0	9, 10, 11	291·0	289·0	14th	295·8	294·8	−0·1	392	— 31
1028	Caetite	14 3	42 37	897	914·9	1012·8	+ 0·4	300·9	302·7	26th, 27th	291·6	288·4	21st	296·2	*296·7*	+0·5	64	— 118
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·1	1011·5	— 0·8	302·4	303·1	17th	297·0	295·7	8th	299·7	*299·4*	+0·5	52	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	945·9	1014·3	+ 0·5	297·4	299·7	18th	288·4	286·3	26th	292·9	*292·4*	+0·6	124	— 1
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	299·0	302·8	15th	290·9	285·4	23rd	294·9	*294·5*	..	3	— 91
1041	Elisabethville	11 39	27 28	1236	877·7	1009·8	+ 1·2	301·6	305·0	19th	289·4	287·1	15th	295·5	..	+0·5	170	— 15
1042	Gwelo	19 28	29 48	1417	860·7	1010·5	— 0·9	302·7	306·3	17th	288·0	283·0	3rd	295·3	..	+2·3	56	— 61
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡852·7	‡1007·5	— 0·9	302·9	306·6	19th	287·7	284·1	2nd	295·3	*294·2*	+2·2	53	— 280
1044	Zomba	15 23	35 18	955	906·5	1010·4	— 0·1	301·2	304·7	18th	290·4	286·9	3rd	295·8	*295·6*	+1·0	51	..
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	250	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	281	..
1048	Antalaha	14 58	50 19	3	..	1005·6	..	..	..	..	..	..	..	..	..	..	..	— 141
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·7	1012·2	+ 1·6	302·8	304·3	23rd	298·3	296·3	5th	300·6	*300·2*	0·0	94	+ 56
1057	Christmas Island	10 25	105 43	5·5	1006·5	1007·1	— 0·6	304·2	306·9	..	297·4	295·8	..	300·8	*300·1*	+0·1	298	+ 171
1061	Kupang	10 10	123 34	45·1	..	1008·5	— 0·9	303·2	305·7	29th	296·5	295·0	24th	299·9	299·2	..	392	+ 176
1061*a*	Derby	17 18	123 40	16·2	1006·3	1008·3	— 0·3	307·9	311·9	28th	298·9	294·8	15th	303·4	..	+0·3	37	+ 202
1062	Hall's Creek	18 13	127 46	374	967·2	1008·7	— 0·2	306·2	309·9	27th	294·3	290·4	17th	300·3	*299·9*	—1·0	369	+ 141
1063	Darwin	12 28	130 51	29·6	1004·0	1007·4	— 0·1	304·9	308·3	31st	297·6	295·2	24th	301·3	*300·2*	—0·6	361	+ 53
1064	Daly Waters	16 16	133 23	211	983·2	1006·8	— 0·6	305·6	309·7	26th, 28th	295·7	291·9	28th	300·7	*300·3*	—1·1	257	+ 45
1065	Mein	13 13	142 47	122	994·0	1007·8	+ 0·8	304·1	306·6	2nd	294·2	289·2	21st	299·1	..	—0·9	285	..
1066	Georgetown, Queensland	18 22	143 32	302	977·3	1011·4	+ 2·7	304·9	309·1	26th	293·5	284·9	18th	299·2	..	—0·7	88	..
1066*a*	Willis Island	16 18	149 59	8·5	1008·8	1009·8	..	302·2	304·1	1st, 2nd	297·9	296·3	15, 16, 29	300·1	*299·7*	..	90	+ 142
1067	Samarai	10 37	150 40	15·2	..	1009·2	+ 1·3	303·5	..	..	297·1	..	..	300·3	*300·0*	—0·1	445	+ 370
1072	Suva, Fiji	18 8	178 26	6·1	1009·3	1010·0	0·0	303·5	305·0	11th	295·2	293·8	24th	299·3	*299·0*	—0·4	750	mm.
		° ′ S.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

MARCH—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·3	302·7	3rd	296·6	294·1	4th	298·9	*298·6*	+0·2	184	— 85
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·0	1015·2	+ 0·5	292·2	293·8	4th	287·5	284·5	29th	289·9	*289·7*	+0·4	0	— 1
1122	Iquique	20 12	70 11	9	1012·6	1013·7	+ 0·1	296·1	298·1	17th	288·1	285·9	13th	292·1	*292·8*	−0·2	0	0
1123	Catamarca	28 27	65 47	510	952·7	1009·8	+ 0·6	303·9	312·2	14th	289·2	283·5	28th	296·5	295·6	—1·1	21	— 27
1124	Salta	24 46	65 28	1178	879·8	1008·3	— 2·1	297·6	303·0	22nd	286·6	282·2	29th	292·1	292·0	−0·9	94	— 9
1125	Goya	29 9	59 15	26	1008·9	1011·9	+ 1·7	302·7	308·7	15th	291·1	282·9	29th	296·9	295·9	−0·8	187	+ 46
1126	Asuncion	25 21	57 37	93	1000·7	1011·3	+ 0·7	306·1	312·0	11th	293·2	288·0	29th	299·6	298·0	−0·6	95	— 13
1127	Curityba	25 25	49 17	908	912·5	1013·0	— 0·9	296·9	302·9	18th	289·0	286·4	16th	293·0	*291·7*	−0·4	174	+ 60
1128	Rio de Janeiro	22 54	W43 10	61·4	1004·6	1011·7	— 1·1	301·7	307·0	26th	296·0	293·6	22nd	298·8	298·4	+0·4	247	+112
1139	Windhoek	22 34	E 17 5	1669	..	..	..	302·4	305·6	8th	289·6	283·9	24th	296·0	*296·0*	+2·0	28	— 48
1140																		
1141	Kimberley	28 42	24 47	1202	881·2	1010·2	— 0·9	303·9	308·6	2nd	287·3	278·6	23rd	295·6	295·2	+1·4	31	— 42
1141*a*	Johannesburg	26 11	28 4	1806	822·7	1013·2	— 0·5	296·6	300·8	11th	285·3	282·4	1st	291·0	*290·5*	+0·6	126	+ 13
1142	Bulawayo	20 9	28 35	1340	867·8	1010·5	— 0·2	302·8	305·4	5th	288·2	283·9	12th	295·5	*294·9*	+2·0	8	— 72
1143																		
1144	Durban	29 52	31 3	15·2	1014·7	1016·5	— 0·7	300·3	302·9	10th	292·7	290·3	20th, 23rd	296·5	*295·9*	—0·1	44	— 92
1145	Lourenço Marques	25 58	32 36	59	..	1014·4	— 0·6	302·6	307·5	22nd	293·6	290·9	23rd	298·1	297·6	+0·1	25	— 81
1146	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	40	..
1147	Fort Dauphin	25 2	46 58	25	..	1011·9	..	..	..	..	..	..	..	..	..	..	..	..
	Mauritius	20 6	57 33	55·2	1006·1	1012·4	+ 0·4	302·7	304·3	10th	295·8	293·6	8th, 16th	299·3	298·7	+0·4	190	— 48
1159																		
1160	Onslow	21 43	114 57	4·3	1007·0	1007·9	— 0·4	308·8	314·6	12th	296·2	294·0	1, 2, 10	302·5	..	+0·3	23	— 4
	Cue	27 27	117 52	454	959·0	1008·8	— 2·0	307·8	313·6	8th	294·4	287·3	31st	301·1	..	+1·2	31	+ 6
1161	Nullagine	21 53	120 5	386	965·5	1008·2	— 0·3	308·1	311·6	10th	294·9	292·1	6th	301·5	..	—0·6	70	+ 12
1162	Laverton	28 40	122 23	466	960·9	1012·8	— 0·7	306·2	313·8	7th	292·2	284·7	23rd	299·2	*299·1*	+1·8	48	+ 17
1163	Alice Springs	23 38	133 37	587	945·7	1010·9	— 0·9	305·0	310·2	31st	289·0	283·6	29th	297·0	*297·3*	—0·8	3	— 27
1163*a*	William Creek	28 55	136 21	76·2	1005·8	1014·5	+ 0·6	306·1	312·7	11th	290·3	283·7	20th, 21st	298·2	*298·0*	+0·5	0	— 17
1164	Boulia	22 55	139 38	146	993·2	1009·6	+ 1·1	309·5	312·4	29th	294·1	288·8	26th	301·8	*302·1*	+1·0	2	— 43
1165	Thargomindah	27 58	143 43	123	998·4	1012·4	+ 0·7	307·2	313·2	18th	292·0	285·4	28th	299·6	*299·4*	+0·4	0	— 20
1166	Mitchell	26 32	147 52	336	974·4	1012·6	..	305·6	309·7	16th, 17th	287·3	278·6	26th	296·4	..	+0·3	8	— 73
1167	Rockhampton	23 24	150 30	11·3	1012·1	1013·4	+ 1·8	304·1	308·3	24th	293·2	290·8	17th	298·7	..	—0·1	40	— 89
1168	Brisbane	27 28	153 2	41·7	1010·2	1015·0	+ 0·5	301·8	307·2	19th	291·6	288·8	16th	296·7	*296·0*	+0·2	139	— 2
1170	Norfolk Island	29 4	167 59	15·2	1011·7	1013·4	— 0·8	297·9	301·3	1st	291·4	286·3	20th	294·7	*294·3*	−0·1	30	— 71
		S.	E.															

Between Latitude 30° S. and 40° S.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	295·3	298·2	5th	287·6	283·6	23rd	291·5	*292·0*	+0·4	106	+ 58
1221*a*	Punta Tumbes	36 37	73 6	120	1001·1	1015·5	+ 0·1	290·7	294·0	11th	283·6	281·5	30th	287·1	*287·2*	—0·3	64	+ 48
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1009·8	1014·7	— 0·3	293·1	299·5	14th	285·3	280·6	31st	289·2	*288·8*	—1·3	0	— 10
1223	Santiago	33 27	70 42	520	954·2	1013·9	+ 0·4	298·4	304·2	13th	282·3	276·5	29th, 31st	290·3	*289·5*	—0·1	3	— 2
1224	Cordoba	31 25	64 12	423	964·3	1012·6	+ 0·8	301·0	307·8	..	285·6	280·3	..	293·3	292·8	−0·5	52	— 36
1225	Bahia Blanca	38 45	62 15	25	1010·9	1013·9	+ 0·7	298·3	307·9	13th	287·5	277·9	28th	292·9	292·7	+0·3	27	— 40
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1012·1	1015·1	+ 1·1	299·0	307·1	14th	288·5	278·5	30th	293·7	293·6	+0·2	74	— 37
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1013·9	— 0·6	296·8	303·5	24th	290·6	284·6	31st	293·7	*293·6*	+0·2	55	— 29
1239	Porto Alegre	30 2	W51 13	23·5	1009·8	1012·5	— 2·6	300·3	306·7	24th	291·1	283·0	30th	295·7	295·1	−0·4	135	+ 47
1240	Cape Town	33 56	E 18 29	12·2	..	1014·8	+ 0·3	298·6	310·8	11th	288·2	281·9	22nd	293·4	*291·7*	+0·3	14	— 9
1241	Danger Point	34 37	19 18	27·7	1005·2	1008·5	..	293·5	296·9	8th, 11th	286·9	284·1	22nd, 23rd	290·2	..	—0·1	30	+ 1
1242	Riversdale	34 6	21 16	30·5	1003·5	1007·0	..	299·4	306·9	11th	287·9	282·4	23rd	293·7	..	..	77	+ 33
	East London	33 1	27 54	9·8	..	1014·8	— 0·2	298·3	303·0	29th, 30th	289·9	284·7	24th	294·1	..	+0·8	48	— 25
1259																		
1260	Perth (Observatory)	31 57	115 51	60·0	1006·7	1014·0	— 1·4	301·5	314·3	14th	289·6	284·1	27th	295·6	*295·1*	+0·9	5	— 14
	Katanning	33 42	117 35	310	978·6	1014·7	— 1·2	300·1	312·2	14th	285·4	280·9	22nd, 23rd	292·8	..	+0·5	28	+ 4
1261	Coolgardie	30 57	121 10	423	965·5	1013·3	— 1·4	304·6	313·4	8th	288·9	282·9	22nd, 23rd	296·7	*296·6*	+1·5	68	+ 49
1262	Eucla	31 45	128 58	4·6	1015·1	1015·7	— 0·6	298·5	313·9	9th	289·6	283·6	24th	294·1	*293·5*	+0·4	6	— 17
1263	Streaky Bay	32 48	134 13	13·1	..	1017·0	+ 0·1	302·3	311·9	16th	286·9	281·3	20th	294·6	*293·9*	+1·4	5	— 10
1264	Adelaide	34 56	138 35	42·7	1012·6	1017·6	+ 0·4	300·6	310·8	17th	286·6	282·3	25th	293·6	*293·1*	—0·4	3	— 24
1265	Melbourne	37 49	144 58	35·1	1012·1	1016·2	— 0·8	295·9	308·0	18th	285·0	280·6	23rd	290·4	*290·0*	—0·7	11	— 46
1266	Bourke	30 13	145 58	110	1004·7	1017·5	+ 1·3	307·2	314·7	18th	289·2	282·4	26th	298·2	..	0·0	0	— 32
1267																		
1268	Sydney	33 51	151 13	40·5	1009·8	1014·5	— 1·8	299·2	306·2	18th	288·9	283·3	26th	294·0	..	+0·3	42	— 80
	Lord Howe Island	31 20	159 0	4·0	1015·0	1015·6	— 0·6	298·8	300·9	12th	290·8	285·7	29th	294·8	..	—0·1	65	— 73
1271	Auckland	36 50	174 50	38·1	..	1007·4	— 8·1	294·3	299·1	1st	287·6	283·3	16th	290·9	..	—0·4	157	+ 80
1272	Napier	39 32	176 53	21·3	..	1008·9	— 8·0	295·2	299·7	12th	285·3	280·2	11, 16, 18	290·2	..	0·0	41	— 45
		S.	E.															

Between Latitude 40° S. and 50° S.

		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	998·5	..	..	..	..	..	..	..	..	..	..	141	+ 60
1321	Isla Guafo	43 34	74 45	140	998·6	1015·4	— 0·5	287·6	291·5	12th	283·1	280·6	25th	285·3	*285·1*	+0·1	74	+ 2
1322	Punta Galera	40 1	73 44	40	1011·4	1016·2	+ 0·2	287·9	291·6	8th	282·7	280·5	17th	285·3	*286·1*	—0·7	95	— 20
1323	Sarmiento	45 30	69 0	274	980·2	1010·8	+ 0·4	294·0	303·6	9th	280·7	272·4	27th	287·3	287·1	—0·6	29	+ 16
1324	Punta Madryn	42 49	W64 58	14	1013·3	1014·7	+ 3·2	296·3	309·2	4th	284·2	274·4	28th	290·3	289·9	—0·4	35	+ 22
1365	Launceston	41 27	E147 10	10·1	1010·5	1011·6	— 2·8	294·9	300·7	18th	282·2	276·8	25th	288·6	*287·6*	—0·5	21	— 23
1366	Hobart	42 53	147 20	53·9	1004·3	1010·7	— 3·1	292·4	303·1	18th	283·5	279·9	27th	287·9	*286·9*	—0·3	17	— 26
1370	Invercargill	46 25	168 21	3·7	..	..	..	288·1	295·2	12th	279·5	275·8	25th, 28th	283·8	..	—1·8	231	+133
1371	Dunedin	45 52	170 31	91·4	..	1002·1	—12·3	287·8	294·7	11th	280·8	276·3	16th	284·3	..	—1·7	176	+100
1371*a*	Christchurch	43 31	172 39	7·6	..	1001·3	—12·9	292·3	303·9	1st	281·1	274·4	10th	286·7	..	—0·8	68	+ 15
1372	Wellington	41 16	174 46	3·1	..	1003·7	—12·8	292·6	296·6	9th	284·8	279·8	6th	288·7	..	—0·1	173	+ 88
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

MARCH—ZONE 12.

MARCH—ZONE 13.

MARCH—ZONE 14.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	1003·8	1010·5	+ 8·3	282·1	288·0	7th	278·1	274·0	20th	280·1	*280·3*	—1·1	75	—25
1422	Puerto de Punta Arenas	53 10	70 54	28	1004·4	1007·8	+ 6·5	285·1	294·4	7th, 9th	278·5	272·8	24th	281·8	*281·8*	—0·1	5	— 30
1423	Punta Dungeness	52 24	68 26	5	1005·5	1006·1	+ 5·0	285·9	296·4	9th	279·0	274·8	20th, 21st	282·5	*282·4*	—0·7	3	— 7
1424	Santa Cruz	50 11	68 21	12	1007·6	1009·4	+ 5·4	291·0	305·2	9th	278·6	270·9	25th	284·8	284·6	—0·9	1	..
1424*a*	Año Nuevo ‡	54 39	64 38	50	..	..	..	282·2	289·6	7th	274·8	270·0	26th	278·5	*278·5*	—1·8	101	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1002·3	1004·9	+ 3·6	283·9	291·9	8th	276·2	271·9	24th, 25th	280·1	280·5	—1·1	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	990·3	990·8	— 5·4	281·0	301·8	10th	273·6	268·6	31st	277·3	*277·3*	—0·2	199	+ 71
		S.	W.															

MARCH—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1527	South Orkneys	60 44	44 39	7	987·1	988·0	— 3·3	273·8	283·8	9th	269·4	264·2	19th	271·6	271·6	—0·9	39	— 7

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MARCH, 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SE	7·0	E 2	N 1 Calm 0	SE 1 SE 1	E 3 ..	Calm 0	E 4 E 3	Calm 0
2	SE	6·7	ESE 2	Calm 0 Calm 0	S 1 S 1	EbyN 3 ..	SE 4	E 3 E 3	Calm 0
3	SE	4·4	E 1	NW 1 Calm 0	W 1 SW 1	ENE 3 ..	SE 2	E 3 E 3	N 2
4	SE	2·2	ESE 4	Calm 0 SW 1	S 1 S 2	ENE 3 ..	SE 2	E 3 E 3	NNW 2
5	SE	4·1	ESE 4	Calm 0 Calm 0	S 1 S 1	ENE 6 ..	..	ESE 3 ESE 3	S 2
6	SE	6·4	E 3	Calm 0 SW 1	S 1 SE 2	ENE 4 ..	SE 2	ESE 3 E 4	Calm 0
7	SE	7·9	ESE 5	W 1 SW 3	S 1 S 1	ENE 2 ..	..	E 3 E 3	NNW 1
8	SE	3·4	E 2	SW 1 SW 1	S 1 S 2	ENE 2 ..	SE 2	E 3 E 3	N 2
9	Calm	0·8	SE 2	Calm 0 SW 2	N 2 SW 1	EbyN 3 ..	Calm 0	E 2 E 2	Calm 0
10	Calm	1·6	E 4	Calm 0 SW 3	SE 1 W 1	EbyN 4 ..	Calm 0	E 2 E 1	Calm 0
11	SE	5·1	NE 4	W 1 SW 4	W 2 W 1	NE 3 ..	NW 6	E 3 E 3	Calm 0
12	SE	5·2	E 3	Calm 0 SW 3	W 1 S 1	E 4 ..	NW 4	E 3 E 3	Calm 0
13	SE	5·8	ESE 2	NW 1 SW 3	SW 1 W 1	E 4 ..	..	E 3 E 3	Calm 0
14	ESE	3·8	E 3	Calm 0 SW 3	SW 1 S 1	EbyN 4 ..	Calm 0	E 3 E 4	S 2
15	SE	3·0	NE 4	Calm 0 SW 3	S 1 S 1	EbyN 4 ..	NW 2	E 2 E 2	Calm 0
16	SE	2·9	ENE 4	N 1 SW 2	SW 1 SW 1	ENE 4 ..	NW 2	E 2 E 1	Calm 0
17	Calm	1·7	E 3	N 1 SW 3	W 2 SE 1	ENE 3 ..	Calm 0	E 2 E 2	Calm 0
18	SE	5·3	NE 3	WSW 1 SW 2	SW 1 SW 1	ENE 3 ..	NW 4	ENE 3 E 3	E 2
19	SSE	7·0	NE 3	SW 2 SW 1	S 1 S 1	NE 2 ..	..	E 5 E 4	Calm 0
20	SSE	9·1	ENE 3	Calm 0 SW 2	SW 1 S 1	EbyN 3 ..	..	E 3 E 3	SE 2
21	SE	9·3	E 2	SW 1 SW 5	S 1 S 1	EbyN 3 ..	Calm 0	ESE 3 ESE 4	Calm 0
22	SE	8·5	E 2	Calm 0 SW 5	SW 1 S 2	ENE 3 ..	Calm 0	ESE 5 ESE 4	NNE 2
23	SE	8·6	ENE 3	Calm 0 SW 1	W 1 S 1	NE 3 ..	..	ESE 5 E 2	NNE 2
24	SE	8·6	E 3	NW 1 SW 3	S 1 SE 1	EbyS 3 ..	Calm 0	E 2 E 5	NNE 2
25	SE	6·9	ENE 2	WNW 1 SSW 1	S 1 S 1	ESE 4 ..	SE 2	E 2 E 2	Calm 0
26	SSE	5·4	E 3	Calm 0 SW 1	SE 1 SE 2	E 3 ..	..	E 2 E 3	N 2
27	SE	5·2	SE 3	SW 1 SW 4	SW 1 E 1	ENE 3 ..	Calm 0	E 1 E 2	Calm 0
28	SE	5·8	NE 4	NW 1 SW 1	E 1 E 1	ENE 3 ..	Calm 0	E 2 E 2	Calm 0
29	SE	5·7	E 3	Calm 0 SW 1	S 1 E 2	ENE 2 ..	Calm 0	ESE 2 E 2	S 2
30	SE	4·5	ENE 3	SW 1 SW 5	SE 2 SE 1	EbyS 2 ..	Calm 0	E 1 E 1	ENE 2
31	SE	5·5	ESE 3	W 1 SW 2	S 1 S 2	SE 2 ..	SE 2	E 1 E 1	..
Mean	..	5·4	3·0	0·6 2·1	1·1 1·3	3·2 ..	1·4	2·7 2·7	40° (45)
§Resultant	140° (88)	..	85° (89)	240° (55)	185° (68)	80° (91)	135° (8)	95° (98)	70° (45)
§Normal	142° (88)	6·4	‖78° (83)	277° (38)	260° (39)	76° (77)	320° (9)	‖84° (41)	70° (45)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MARCH, 1922.

‡‡*Barents Sea.*—From the 5th to 27th there was ice everywhere round Bear Island, drifting southeast. From the 28th open water appeared here and there and by the 31st the ice belt was narrow and the ice was alternately drifting northwards and southeastwards.

‡‡*Spitsbergen.*—There was firm ice in all the fjords on the west coast.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 5 days visible, 2 days heavy.

‡‡*Greenland Sea and Denmark Strait.*—The coasts of Jan Mayen were free of ice. At Cape Hold with Hope (Hudson Land) there was a channel some 8 miles wide. At Angmagsalik there was "Storis" everywhere out at sea and sometimes a land water.

‡‡*N. Atlantic and Labrador.*—Thirty-five icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 31; the southmost occurred in 41½°N. and the eastmost in 47°W. Much heavy pack ice occurred in the Gulf of St. Lawrence, Belle Isle Strait and Cabot Strait. Several icebergs were reported near Belle Isle. Floes were unusually abundant.

‡‡*Davis Strait.*—At Cape Farewell the Sea was open until the 12th, when "Storis" appeared in the offing. It came close inshore on the 18th, but later retreated 10 miles offshore. In Julianehaab Bay the "Storis" reappeared about the 15th, came close inshore, but was driven out later by southeasterly winds. The winter ice broke up at Godthaab, and on the 22nd it also broke up in Disko Bay but lay firm at Frederikshaab. In Fox Channel about the 15th there was open water from Amitsok to Ooglit Island in 68½°N., but no open water at Cape Brown.

‡‡ *Isforholdene i de Arktiske Have, 1922*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, APRIL 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF APRIL 1922

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **APRIL—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1012·8	..	260·3	268·0	17th	250·6	241·3	24th, 26th	255·4	..	+1·0	5	— 2
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1015·0	1017·4	+ 1·5	267·8	276·3	27th	256·1	247·0	5th, 6th	261·9	*261·2*	+2·7	25	+ 10
135	Jan Mayen	70 59	W 8 18	23·1	1013·1	1016·0	..	..	274·8	19th	267·2	262·2	7th	..	269·2	..	16	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1017·4	1018·9	+ 6·4	..	274·5	20th	253·8	241·5	4th	..	258·8	+0·5	22	— 1
140	Björnöen	74 28	19 15	40·5	1010·7	1015·9	..	..	..	..	264·5	..	..	..	*267·1*	..	39	..
141	Gjesvaer	71 6	25 22	6·5	1011·7	1012·5	+ 1·5	..	285·7	30th	271·1	264·3	7th	..	*274·5*	+2·0	59	+ 12
142	Mehavn	71 1	27 47	4·6	1012·7	1013·3	+ 3·1	..	279·9	30th	268·9	262·0	7th	..	*272·0*	+0·2	75	+ 27
143	Vardö	70 22	31 8	6·8	1013·1	1014·0	+ 2·1	..	278·4	30th	269·7	264·8	16th	..	*272·3*	+0·7	63	+ 24
147	Malye Karmakouly	72 23	52 43	14·8	1017·0	1018·9	+ 5·9	265·4	275·2	28th	..	..	..	..	*261·4*	—1·3	3	— 4
148	Waigatz	70 24	58 47	11·2	1016·4	1017·9	+ 4·0	263·5	273·3	29th	255·8	244·9	10th	259·6	*259·7*	..	0	..
153	Dickson	73 30	80 23	13	1015·0	1016·8	..	257·6	270·7	26th	249·2	235·9	9th	253·4	..	..	4	..
		N.	E.															

Between Latitude 70° N. and 60° N. **APRIL—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
203	Nome	64 30	165 24	6·7	..	1006·8	— 4·4	270·8	276·9	27th	263·6	247·4	19th	267·2	*267·1*	+2·6	39	+ 24
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1010·8	— 4·4	275·9	284·7	27th	265·5	246·9	21st	270·7	*270·7*	+2·4	7	0
206	Rampart	65 30	150 15	122	..	..	..	273·5	281·9	29th	261·4	244·7	21st	267·4	..	—0·8	2	— 4
207	Valdez	61 7	146 16	8·2	..	1011·8	+ 0·1	279·1	284·7	26th	269·8	263·6	7th	274·4	*274·1*	+0·3	148	+ 63
208	Eagle	64 46	141 12	254	..	1012·8	+ 1·6	278·2	288·6	30th	266·7	249·1	15th	272·4	*272·7*	+2·0	5	— 5
209	Dawson	64 4	139 20	328	971·7	1012·5	0·0	278·0	288·6	30th	264·7	249·1	15th	271·3	..	—0·1	12	— 4
210	Carcross	60 11	134 34	662	..	..	..	278·4	284·1	30th	267·0	256·9	16th	272·7	..	+1·0	3	— 5
211	Fort Good Hope	66 15	128 31	65·2	1010·5	1018·9	..	271·3	283·6	24th	255·7	243·0	16th	263·5	..	..	11	— 9
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	998·3	1017·9	+ 2·2	271·8	290·2	30th	258·1	240·8	9th	264·9	..	—3·2	5	— 8
225	Jacobshavn	69 13	51 2	12·6	..	..	..	270·2	280·9	22nd	260·3	245·5	21st	265·3	*265·8*	+2·5	7	— 5
226	Godthaab	64 11	51 43	9·0	1010·0	1011·2	+ 1·4	275·4	279·2	20th	269·1	265·6	19th	272·3	*272·0*	+3·1	97	+ 69
227	Ivigtut	61 12	48 10	13·0	1012·0	1013·6	+ 4·9	278·5	286·6	29th	270·1	261·7	19th	274·3	*272·8*	+0·4	124	+ 62
229	Angmagsalik	65 37	37 33	31·7	1012·8	1016·9	+ 6·3	273·3	279·0	18th	265·8	256·6	14th	269·5	*269·0*	+0·7	57	— 6
231	Stykkisholm	65 5	22 46	25	1011·6	1014·8	+ 4·8	276·4	283·5	18th	270·9	266·5	15th	273·7	*273·3*	—0·5	37	— 1
232	Vestmanno	63 24	20 17	132	996·3	1012·9	+ 4·6	278·0	282·6	25th	271·4	265·0	10th	274·7	*274·0*	—2·3	68	— 29
233	Grimsey	66 33	18 1	22·0	..	..	..	274·1	280·7	18th	270·0	263·9	12th	272·1	*271·7*	—0·2	..	..
233*a*	Akureyri	65 40	18 5	35	..	1014·8	+ 3·4	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhorn (Berufjord)	64 41	14 22	18·0	1011·6	1013·8	+ 3·5	276·4	285·2	19th	270·8	265·5	9th	273·6	*273·8*	—0·6	91	+ 10
235	Thorshavn	62 3	6 45	26·3	1006·2	1009·5	— 1·2	278·9	283·5	20th	273·9	271·0	3, 5, 10	276·4	*276·3*	—1·3	75	— 18
236	Lerwick	60 9	W 1 11	46·9	1002·2	1008·1	— 3·1	279·6	283·6	29th	275·3	272·4	9th	277·5	*277·3*	—0·8	56	— 2
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1001·3	1006·8	— 6·7	281·4	288·2	22nd	274·6	270·3	5th	278·0	*277·8*	—0·5	75	— 21
238	Aalesund	62 28	6 10	6·3	1006·9	1007·7	— 5·5	..	286·4	28th	..	..	..	..	*277·5*	—0·5	82	+ 23
239	Trondhjem	63 26	10 25	39·5	1003·7	1008·6	— 4·8	279·7	286·2	22nd	271·6	263·9	3rd	275·7	*275·6*	—0·9	24	— 21
240	Bodö	67 17	14 24	22·3	1007·0	1009·7	— 1·5	..	284·4	29th	272·0	265·2	7th	..	*275·4*	+0·4	22	— 29
241	Haparanda	65 50	24 9	9·2	1010·8	1012·0	— 1·1	275·8	284·5	27th	267·2	258·0	2nd	271·5	*271·8*	+0·4	37	+ 11
242	Helsingfors	60 10	24 57	11·7	1009·4	1010·8	— 3·3	277·8	285·3	30th	271·3	264·4	1st	274·6	*274·7*	+0·6	36	0
242*a*	Kuopio	62 54	27 40	90·3	1000·2	1011·4	— 2·9	278·3	286·4	24th	269·8	256·8	13th	274·0	*274·4*	+0·2	35	+ 2
243	Kola	68 53	33 1	6·7	1013·8	1014·7	+ 2·1	274·6	284·5	27th	266·3	257·4	9th	270·4	*271·1*	—0·3	43	+ 29
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1013·5	1014·3	+ 0·7	277·7	286·0	30th	269·9	257·8	16th	273·8	*273·7*	+1·9	47	+ 28
246	Mezen	65 50	44 16	14·9	1013·4	1015·3	+ 1·1	276·0	285·5	27th	267·9	251·6	16th	272·0	*272·0*	+1·3	28	+ 17
248	Oust-Tsylma	65 25	52 18	? 68	1007·6	1016·3	+ 0·8	274·7	285·9	28th	266·8	249·3	16th	270·8	*270·6*	0·0	19	+ 1
	Tcherdyn	60 24	56 31	?177	995·0	1017·1	+ 1·5	279·8	289·0	30th	269·8	257·3	17th	274·8	*274·5*	+0·6	18	— 3
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	1014·6	1017·7	+ 1·1	266·3	279·0	30th	255·2	243·4	15th	260·8	*260·7*	—1·9	8	0
251	Sourgout	61 15	73 24	? 40	1013·6	1018·7	+ 1·3	..	284·4	8th	261·9	249·7	8it	..	*268·4*	0·0	16	0
252	Doudinka	69 23	86 4	20	1013·6	1016·2	+ 4·5	..	271·2	6th	249·6	237·0	13th	..	*255·4*	—1·9	5	— 4
253	Touroukhansk	65 47	87 57	? 45	1011·0	1016·9	+ 1·4	..	274·7	6th	255·6	242·4	13th	..	*261·9*	—0·8	14	— 1
254																		
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	256·9	..	..	*263·8*	—0·9	9	+ 2
262	Iakoutsk	62 1	129 43	98	999·6	1012·4	— 1·0	..	277·6	30th	256·1	237·6	11th	..	*263·6*	—1·6	9	0
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1003·0	— 6·3	275·6	276·9	sev. dates	270·9	261·9	18th	273·3	..	+3·1	33	+ 6
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1004·0	— 6·0	278·7	281·9	4th	273·0	267·4	19th	275·9	*275·6*	+1·2	144	+ 60
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	275·1	279·7	30th	268·8	253·6	20th	271·9	..	+0·8	40	+ 3
306	Kodiak (Radio)	57 46	152 22	6·1	..	1008·1	— 1·0	278·3	283·0	11th	272·8	268·6	20th	275·6	*275·5*	−0·1	‡130	+ 35
										Sea Temp.							
307	55°—50°N. 150°—145°W.	††51 17	††147 30	§(20)	..	1015·2	+ 5·1	..	..	277·4|+1·1	..	..	..	276·9	0·0	..	..	..
309	Sitka	57 3	135 19	27·4	..	1015·6	+ 2·2	281·4	285·8	29th	273·5	269·1	16th	277·4	*277·3*	−1·5	212	+ 73
310	Prince Rupert	54 18	130 18	51·8	1011·7	1018·1	+ 4·2	281·9	286·3	26th	274·7	271·3	8th, 12th	278·3	*278·4*	−0·6	112	+ 31
311	Barkerville	53 2	121 35	1274	867·4	1015·3	+ 2·6	278·6	287·4	30th	268·0	258·6	17th	273·3	*272·5*	−1·4	90	+ 10
312	Kamloops	50 42	120 29	385	973·8	1020·1	+ 2·6	288·6	299·1	30th	274·7	269·1	12th, 16th	281·6	*281·5*	−1·3	20	+ 1
313	Calgary	51 2	114 2	1045	893·0	1014·9	+ 2·0	283·6	295·8	21st	269·1	260·8	13th, 14th	276·3	*275·8*	−1·3	41	+ 17
314	Fort Chipewyan	58 42	111 10	218	980·1	1017·3	+ 1·7	277·3	292·4	29th	262·9	245·2	8th	270·1	*271·0*	−1·3	27	+ 8
315	Prince Albert	53 10	105 38	442	962·6	1016·4	+ 2·2	283·6	296·3	22nd	270·8	262·4	1st	277·2	*276·7*	+1·6	30	+ 13
316	Qu'Appelle	50 30	103 47	645	938·3	1015·6	+ 1·0	282·4	297·4	22nd	270·8	261·3	18th, 19th	276·6	*276·2*	+0·4	50	+ 17
317	Minnedosa	50 15	99 50	515	954·6	1016·9	+ 0·5	283·6	297·4	22nd	271·3	260·2	19th	277·4	*276·7*	+1·3	9	+ 5
318	Berens River	52 18	97 23	216	..	..	..	279·6	289·7	23rd	268·6	256·9	19th	274·1	..	+2·3	40	+ 25
318a	Port Nelson	57 4	92 36	14·9	1018·6	1020·5	+ 1·8	273·6	288·6	30th	259·7	246·9	2nd	266·6	..	+1·4	5	− 4
319	Fort Hope	51 33	87 49	‡260	986·1	1018·6	+ 0·8	278·6	290·8	28th, 30th	265·2	251·9	20th	271·9	*272·4*	+1·2	15	− 8
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	274·2	280·8	16th	..	..	..	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	277·3	284·7	26th	266·4	251·9	22nd	271·8	..	+0·9	64	+ 20
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	277·1	283·6	26th	268·2	261·3	7th	272·7	..	+1·0	81	+ 51
326	Belle Isle	51 53	55 23	133	993·5	1010·2	— 1·4	273·2	276·3	27th, 28th	269·2	260·2	16th	271·2	*271·3*	+0·9	..	..
										Sea Temp.							
333	53°—48° N. 20°—15° W.	††49 53	††17 27	§(55-62)	..	1009·3	..	..	..	283·8|−0·2	..	..	..	..	281·8	..	..	..
333a	62°—57° N. 20°—15° W.	††59 21	††17 16	§(33)	..	..	..	..	..	280·6|−0·7	..	..	..	..	278·7	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1008·7	1010·3	— 2·8	282·5	285·2	23rd	276·8	273·0	6th	279·7	279·8	−1·9	82	+ 34
335	Aberdeen	57 10	W 2 6	26·8	1004·1	1007·3	— 5·2	279·8	283·0	24th	274·4	263·7	1st	277·1	277·2	−1·9	74	+ 31
336	Greenwich	51 28	0 0	46·3	1002·3	1008·0	— 6·2	284·3	294·1	14th	275·3	269·1	2nd	279·8	279·3	−1·9	70	+ 35
337	Uccle	50 48	E 4 22	100	995·5	1007·7	— 6·4	284·9	296·0	14th	275·9	269·3	2nd	280·4	279·5	−1·3	89	+ 51
338	De Bilt	52 6	5 11	3·0	1007·0	1007·4	— 6·7	283·5	294·9	15th	274·8	267·2	1st	279·1	279·1	−1·9	69	+ 31
338a	Hamburg	53 33	9 58	40·3	1002·8	1007·7	— 5·5	282·6	295·7	15th	276·0	269·9	1st	279·3	*279·2*	−1·3	31	+ 15
339	Copenhagen(Meteor. Inst.)	55 41	12 36	5·0	1007·5	1008·1	— 5·6	280·5	291·1	15th	274·8	270·1	11th	277·7	*277·5*	−0·9	20	+ 1
340	Potsdam	52 23	13 4	84·9	997·8	1008·2	— 5·9	284·0	301·3	15th	274·9	268·1	2nd	279·5	279·0	−1·7	58	+ 23
340a	Uppsala	59 51	17 38	24	1006·1	1009·1	— 4·2	279·3	290·9	16th	270·5	259·2	9th	274·9	274·8	−1·4	52	+ 24
341	Warsaw	52 13	21 1	133	994·0	1010·3	— 4·5	285·1	298·1	16th	275·1	270·1	11th	280·1	280·0	−0·6	16	− 8
342	Tartu (Dorpat)	58 23	26 43	74·5	1002·3	1011·6	— 2·3	280·2	291·6	28th	271·8	265·5	3rd	276·0	275·7	−0·7	29	+ 2
343	Petrograd	59 56	30 16	4·8	1011·6	1012·2	— 2·3	279·9	290·3	28th	272·2	265·8	20th	276·0	*275·9*	+0·5	62	+ 25
344	Kiiv	50 27	30 30	183	990·7	1013·0	— 1·6	283·9	296·0	29th	276·4	271·4	11th	280·1	*279·7*	−0·2	80	+ 44
344a	Moscow	55 50	37 33	167	994·0	1014·6	— 1·9	281·9	293·4	18th	273·9	263·8	1st	277·9	*277·7*	+1·3	54	+ 17
345	Saratov	51 33	45 57	?122	1002·2	1017·3	+ 0·1	283·4	296·3	18th	275·5	271·6	6th, 15th	279·4	*279·2*	+0·8	13	− 3
346	Kazan	55 47	49 8	79·9	1007·9	1017·8	— 1·3	282·7	293·4	19th	274·2	268·1	2nd	278·4	*277·9*	+1·4	17	− 1
347	Orenburg	51 45	55 6	109	1004·4	1017·9	— 3·5	282·5	293·3	19th	275·0	269·9	1st	278·8	*278·4*	+ 1·1	20	− 1
348	Perm	58 1	56 16	163	998·3	1018·6	— 0·6	280·3	287·7	30th	271·2	262·6	17th	275·8	*275·7*	+0·4	18	− 2
349	Sverdlovsk	56 50	60 38	281	983·6	1018·4	— 0·5	281·3	290·2	30th	270·6	263·0	17th	276·0	*275·6*	+0·9	13	− 5
350	Tobolsk	58 12	68 14	108	1006·0	1019·6	+ 0·1	279·2	289·6	30th	269·4	258·7	18th	274·3	*274·0*	+0·2	22	+ 1
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1006·3	1020·0	— 0·7	..	291·1	21st	269·0	261·8	18th	..	*272·8*	−0·4	36	+ 9
353	Barnaoul	53 20	83 48	162	1001·9	1022·3	+ 0·6	280·3	290·5	22nd	269·2	257·9	2nd, 3rd	274·8	*274·3*	+0·4	21	+ 1
354	Tomsk	56 30	84 58	122	1004·8	1020·3	+ 0·2	..	283·8	22nd	268·0	254·3	2nd	..	*273·1*	+1·1	18	+ 2
355	Minousinsk	53 43	91 41	248	990·2	1021·1	+ 0·3	..	293·5	22nd	268·5	252·4	3rd	..	*274·3*	−1·0	34	+ 11
356	Eniseisk	58 27	92 10	77·6	1008·7	1018·6	+ 0·8	..	283·9	12th	265·8	251·8	2nd	..	*272·0*	+0·4	11	+ 2
357	Irkutsk	52 16	104 19	467	962·4	1019·7	0·0	281·0	293·1	23rd	268·9	262·7	8th	275·0	*274·7*	+1·3	19	+ 7
358	Kirensk	57 47	108 7	263	983·5	1016·4	0·0	..	285·4	23rd	265·1	250·3	1st	..	*271·7*	+0·8	16	+ 4
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	964·8	1011·5	+ 0·2	279·4	290·2	20th	263·4	250·4	1st	271·4	*272·6*	+1·0	12	− 7
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	992·8	1010·2	— 1·3	284·9	299·7	21st	271·4	259·9	3rd	278·2	*278·0*	+2·6	21	− 4
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	272·9	277·0	15th	268·0	265·0	8th	270·4	*270·3*	−0·7	22	− 4
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1011·5	1020·2	+ 2·7	284·7	292·4	25th	277·4	274·7	12th	281·1	280·6	−0·7	19	− 20
412	Portland, Oregon	45 32	122 41	46·6	1016·2	1021·7	+ 3·5	286·6	295·2	25th	278·0	274·7	8th	282·3	*282·1*	−1·4	77	0
413	Macleod	49 44	113 24	953	..	..	..	281·2	294·7	22nd	271·8	260·8	14th, 16th	276·5	*276·7*	−2·4	157	+140
414	Helena	46 34	112 4	1253	872·1	1015·9	+ 0·1	282·3	294·1	21st	272·7	265·8	12th	277·5	*277·3*	−2·0	52	+ 24
414a	Salt Lake City	40 46	111 54	1329	866·1	1014·9	+ 0·8	284·4	294·1	27th	275·3	268·6	17th	279·9	*279·8*	−3·1	78	+ 25
415	Cheyenne	41 8	104 48	1856	809·7	1013·9	— 0·6	282·0	291·3	22nd	270·9	265·8	17th	276·4	*276·5*	−1·6	82	+ 35
416	North Platte	41 8	100 45	859	915·7	1015·2	+ 0·8	288·3	298·0	22nd	275·6	269·1	19th	281·9	*282·1*	−0·2	51	− 3
416a	Bismarck	46 47	100 38	511	956·1	1016·9	+ 1·6	286·1	296·9	22nd	274·1	264·7	19th	280·1	*279·7*	+0·9	17	− 24
417	Winnipeg	49 53	97 7	232	988·6	1017·1	+ 0·5	284·1	295·8	22nd, 23rd	272·4	264·1	19th	278·3	*278·1*	+2·1	13	− 23
418	Duluth	46 47	92 6	345	975·4	1017·6	+ 1·4	279·5	287·4	28th	272·2	266·9	20th	275·9	*275·8*	−0·2	72	+ 20
419	Port Arthur	48 27	89 12	196	993·7	1018·0	+ 1·5	279·7	292·4	28th	271·3	263·6	20th	275·5	*275·5*	+1·1	22	− 16
420	Chicago	41 53	87 37	251	987·2	1017·6	+ 1·8	286·3	296·3	9th	278·2	271·9	1st	282·3	*282·0*	+0·7	94	+ 22
421	Toronto	43 40	79 24	116	1003·0	1017·3	+ 1·2	285·2	298·0	10th	275·2	269·1	21st	280·2	279·6	+1·6	92	+ 34
422	New York (Central Park)	40 47	73 58	47·4	1012·3	1018·1	+ 2·5	288·9	303·0	10th	278·7	273·0	21st	283·8	283·5	+0·9	51	− 35
423	St. John, N.B.	45 17	66 4	36·2	1008·9	1013·4	+ 0·1	280·8	288·6	9th	273·6	269·7	6th, 23rd	277·2	276·7	+0·3	63	− 26
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·2	1012·3	— 0·4	276·3	283·0	25th	270·8	265·8	1st	273·6	*273·7*	+1·4	64	+ 19
424a	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
425	Port aux Basques	47 35	59 10	9·1	1009·1	1010·2	— 3·3	276·9	281·3	25th	271·9	266·9	1st	274·4	*274·3*	+0·8	104	+ 7
426	St. John's, Newfoundland	47 34	52 42	48·8	1001·2	1007·3	— 4·4	277·4	283·0	10th	271·9	266·3	17th	274·7	*274·5*	+0·1	126	+ 17
										Sea Temp.							
430	50°—45° N. 35°—30° W.	††47 2	††32 34	§(76—82)	..	1008·2	..	..	..	286·0|+0·4	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	939·6	1017·4	+ 2·6	289·9	296·2	14th	278·8	273·1	20th	284·3	*283·8*	−0·4	16	− 25
436	Nantes	47 15	W 1 34	36·5	1005·6	1010·0	— 4·6	285·8	295·0	14th	279·0	274·1	29th	282·4	282·3	−0·6	159	+ 108
437																		
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1003·0	1009·1	— 4·8	285·9	297·0	14th	276·6	271·0	2nd	281·3	281·2	−1·4	83	+ 39
438a	Marseille	43 18	5 23	75	..	1010·5	— 1·4	290·3	297·5	15th	280·4	275·7	19th, 20th	285·3	*285·2*	−0·5	28	— 27
439	Zürich	47 23	8 33	493	952·0	1010·7	— 3·7	284·8	298·9	15th	275·6	271·4	6th	280·2	279·5	−2·1	176	+ 86
440	Rome	41 54	12 27	45·5	1006·4	1011·8	— 1·0	291·5	297·8	29th	282·8	277·5	20th	287·2	*287·1*	+0·4	42	— 24
440a	Vienna	48 15	16 22	203	985·2	1009·7	— 3·9	285·0	296·4	16th	276·8	271·0	3rd	280·9	280·9	−2·0	24	— 28
441	Budapest	47 31	19 2	130	994·0	1009·8	— 3·1	287·9	299·0	30th	277·8	270·7	3rd	282·9	*282·5*	−0·9	96	+ 38
442	Sofia	42 42	23 20	550	947·5	1011·8	— 1·4	289·9	301·2	29th	278·0	272·6	9th	283·9	*283·8*	+0·7	71	+ 19
	Bucharest	44 25	26 6	82	1001·4	1011·3	— 2·2	291·0	304·9	30th	278·2	274·8	4th, 8th	284·6	283·7	−0·5	44	0
443	Odessa (University)	46 29	30 46	65·3	1004·4	1012·4	— 2·6	283·6	290·2	28th	278·4	273·2	11th	281·0	*281·1*	−0·5	76	+ 51
444	Kharkiv (University)	50 0	36 14	140	997·5	1014·6	— 1·8	284·9	294·2	29th	276·4	271·6	23rd	280·6	*279·9*	−0·1	89	+ 54
444a	Novorossiisk	44 44	37 49	37·1	1010·6	1015·1	+ 0·3	287·8	295·0	29th	280·5	275·2	10th	284·2	*283·7*	+0·2	41	— 4
445	Tiflis	41 43	44 48	404	967·5	1014·8	— 1·3	291·6	299·3	21st	281·5	274·3	2nd	286·6	286·3	+1·6	59	+ 3
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1017·5	1014·7	— 1·2	..	..	..	..	..	..	..	*283·9*	+1·1	26	+ 12
448	Krasnovodsk	40 0	52 59	— 5·9	1014·4	1013·7	— 1·8	297·0	299·3	2nd	283·1	278·8	3rd	287·0	*286·7*	0·0	36	+ 11
449	Kasalinsk	45 46	62 7	67	1008·7	1016·8	— 2·0	..	..	..	..	..	..	..	*286·5*	+4·7	10	— 4
450	Tachkent	41 20	69 18	478	959·9	1015·5	— 0·3	295·3	304·5	24th	282·6	275·1	1st	289·0	*288·2*	+0·9	54	0
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	920·2	1017·0	— 0·4	290·4	300·0	25th	278·1	269·5	1st	284·2	*284·1*	+1·4	74	— 19
461	Moukden	41 48	123 23	43·8	1008·7	1014·0	— 0·5	291·4	303·3	27th	277·1	268·6	1st	284·3	284·1	+2·8	18	— 11
462	Joshin	40 40	129 11	31·9	1011·4	1015·3	+ 1·6	285·0	299·0	26th	277·1	273·5	5th	281·1	280·4	+0·7	69	+ 44
463	Yuki	42 20	130 24	65·6	1006·9	1015·0	+ 1·7	283·7	294·0	26th	275·7	269·9	2nd	279·7	279·4	+1·3	74	+ 35
464	Vladivostok	43 7	131 55	128	999·4	1015·3	+ 0·9	280·1	289·2	23rd	274·5	271·6	2nd	277·3	*277·5*	0·0	62	+ 31
465	Ochiai	47 20	142 47	27·4	1009·8	1013·3	+ 1·7	278·4	284·6	21st	269·7	261·0	3rd	274·1	274·0	+0·4	47	— 2
466	Nemuro	43 20	145 35	26·7	1010·5	1013·8	+ 0·1	279·9	289·1	27th	272·7	269·3	2nd	276·3	276·0	+0·2	128	+ 55
466a	Syana	45 14	147 53	39·3	1008·4	1013·3	0·0	278·3	290·7	27th	271·7	265·8	2nd	275·0	274·7	+0·4	82	+ 17
		N.	E.															

Between Latitude 40° N. and 30° N.

APRIL—ZONE 5 (Western Half).

508		N.	W.							Sea Temp.								
511	35°—30°N. 145°—140°W.	††30 53	††141 37	§(15)	..	1025·7	+ 0·7	..	..	290·2|+1·1	..	..	..	..	290·2	+1·7	..	..
512	San Francisco	37 48	122 26	47·2	1013·1	1018·9	+ 1·1	288·7	296·9	19th	281·2	279·7	13th	284·9	*283·9*	−0·5	12	— 28
	San Luis Obispo	35 18	120 39	61·3	1011·5	1018·9	+ 1·4	290·1	303·0	20th	279·6	273·6	13th	284·9	*284·0*	−1·1	7	— 29
513	San Diego	32 43	117 10	26·5	1013·5	1016·6	+ 0·8	290·0	299·7	20th	283·0	279·7	6th	286·5	*286·2*	−1·1	4	— 12
514	Modena	37 48	113 54	1670	830·9	1012·8	— 0·2	285·3	295·2	22nd	269·8	259·1	9th	277·6	*277·6*	−3·0	26	+ 3
515	Santa Fé	35 41	105 57	2138	783·8	1010·8	— 1·0	286·4	293·6	21st	273·2	265·8	10th	279·8	*280·0*	−1·6	36	+ 13
516	Denver	39 45	105 0	1613	833·8	1012·5	— 0·9	286·4	295·2	30th	274·2	265·2	18th	280·3	*280·4*	−1·3	93	+ 39
517	Abilene	32 23	99 40	530	952·0	1012·5	— 0·7	297·0	307·4	16th	285·6	275·8	19th	291·3	*290·9*	+0·5	221	+155
518	Saint Louis	38 38	90 12	173	995·3	1015·9	+ 0·6	292·8	300·8	6th	282·3	277·4	28th	287·6	*287·3*	+1·4	188	+ 92
519	Mobile	30 41	88 2	17·4	1016·5	1018·6	+ 1·9	298·1	301·9	14th	290·3	282·4	1st	294·2	*294·0*	+2·3	23	—102
520	Nashville	36 10	86 47	166	998·7	1018·6	+ 2·0	294·7	301·9	14th	284·3	276·3	1st	289·5	*289·8*	+1·6	115	+ 3
521	Charleston	32 47	79 56	14·6	1018·3	1020·0	+ 2·9	297·6	304·7	15th	288·6	280·2	29th	293·1	*292·7*	+2·4	38	— 36
522	Washington	38 54	77 3	34·1	1014·7	1018·9	+ 2·7	291·4	304·7	10th	280·8	273·6	22nd	286·1	*286·7*	+1·1	27	— 55
523	Bermuda	32 17	64 46	46·0	1015·1	1020·6	+ 3·3	294·1	297·4	13th, 19th	288·0	281·9	25th	291·1	*290·8*	−0·9	74	— 28
524	Santa Cruz (Flores)	39 27	31 9	40	1015·5	1020·0	— 0·9	290·6	292·3	4th, 6th	286·1	281·3	3rd	288·3	*288·2*	+0·2	160	+ 49
530	Horta	38 32	28 38	65	1014·0	1021·2	+ 0·1	290·0	292·7	19th	286·0	280·9	13th	288·0	287·7	−0·8	104	+ 29
531	Ponta Delgada	37 44	25 40	22	1020·4	1022·2	+ 0·9	290·3	292·2	19th	286·6	281·9	13th	288·4	288·3	+0·2	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	100	+ 20
532a	Madeira (Funchal)	32 38	16 55	25	‡1021·5	‡1024·3	+ 5·4	292·0	294·0	21st	286·5	285·1	30th	289·2	*289·3*	+0·1	3	— 46
533	Lisbon	38 43	9 9	95	1008·8	1020·3	+ 4·4	289·9	293·4	25th	284·0	279·9	30th	286·9	286·5	−0·7	16	— 50
534	Melilla	35 18	2 59	8	1018·5	1019·5	+ 2·1	294·2	300·0	10th	284·6	281·0	17th	289·4	*290·7*	0·0	6	— 41
535	Gibraltar	36 6	5 21	16·2	1017·1	1018·9	+ 2·2	294·2	298·6	26th	284·4	281·3	20, 21, 30	289·3	*289·1*	+0·2	3	— 65
535a	Colomb-Béchar	31 6	1 46	786	926·4	1013·7	..	303·5	309·2	9th	285·9	280·5	3rd	294·7	*294·3*	..	0	..
536		N.	W.															
536a		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

APRIL—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															
537	Palma	39 34	2 39	23	1011·3	1014·0	— 0·8	292·5	298·2	14th	283·2	278·0	19th	287·9	..	—0·1	11	— 25
538	Algiers (Bouzaréah)	36 48	3 2	342	976·0	1015·4	+ 0·3	292·2	304·5	14th	284·9	278·3	19th	288·6	288·2	+2·0	14	— 35
539	Tunis	36 48	10 10	21	1012·6	1015·1	..	296·5	307·2	28th	284·5	279·0	20th	290·5	*290·1*	+2·5	5	— 35
539*a*	Malta	35 54	14 31	56·4	..	1015·5	+ 2·7	292·9	299·7	28th	286·6	279·7	8th	289·7	*288·9*	+0·6	3	— 36
540	Riposto	37 41	15 14	14·2	..	1016·0	+ 0·8	292·7	295·4	29th	285·2	283·0	12th	288·9	*287·8*	—0·4	5	— 36
541	Athens	37 58	23 43	107	1000·9	1013·6	+ 0·3	293·5	301·5	29th	285·1	281·7	17th	289·3	289·0	+1·2	3	— 34
542	Alexandria	31 12	29 53	32·0	1012·3	1016·0	+ 1·9	297·6	303·8	13th	288·4	286·3	11th, 18th	293·0	*292·6*	+1·2	0	— 1
543	Nicosia (P.W.D.)	35 9	33 22	159	994·8	1013·5	+ 1·6	297·1	303·6	20th	282·9	279·7	sev. dates	290·0	..	+0·5	2	— 35
544	Beirut	33 54	35 28	33·7	..	1014·7	+ 1·3	295·1	300·8	22nd	288·1	284·8	10th	291·6	*291·3*	+0·3	18	— 3
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	1012·2	— 0·4	302·3	310·2	23rd	288·6	284·5	11th	295·5	*294·4*	..	3	+ 21
546	Lenkoran	38 46	48 52	—20·0	1017·1	1014·7	— 1·2	..	..	..	282·8	278·3	3rd	..	*285·5*	+0·5	74	+ 3
547	Tehran	35 41	51 25	1220	..	..	..	296·1	301·6	19th	..	..	..	..	‡*286·5*	..	11	— 1
548	Meshed	36 16	59 35	946	..	..	..	295·7	304·3	24th	281·2	275·3	3rd	288·4	..	+1·9	42	— 1
549	Seistan	31 0	61 30	?	..	..	..	304·0	309·6	30th	289·1	285·4	3rd	296·5	..	..	3	— 25
550	Quetta	30 11	67 3	1677	833·6	..	+ 0·6	298·2	303·3	30th	281·6	277·8	10th, 17th	289·9	*290·2*	+1·6	2	— 45
551	Peshawar	34 2	71 37	339	972·9	1011·6	+ 1·1	304·6	310·2	26th, 27th	289·0	285·1	4th	296·8	*296·6*	+1·1	5	— 45
551*a*	Lahore	31 34	74 20	214	984·3	1008·4	+ 0·9	308·2	314·2	27th	292·9	288·9	3rd	300·6	*300·4*	+0·3	5	— 36
552	Simla	31 7	77 8	2205	782·1	..	+ 1·3	290·7	296·3	28th	283·6	278·2	3rd	287·1	*287·4*	—1·0	25	+ 1
552*a*	Leh	34 10	77 42	3503	667·5	..	+ 1·3	284·9	289·8	28th	272·0	268·6	13th	278·4	*277·8*	—0·7	7	— 5
559	Hankow	30 35	114 17	37·0	1011·0	1015·4	— 0·2	295·2	305·3	27th	286·3	280·8	13th	290·7	*290·3*	+0·9	101	— 52
560	Tientsin	39 10	117 10	5·0	1013·9	1014·5	— 0·9	295·3	308·7	26th	281·6	275·9	7th	288·5	*288·0*	+2·0	3	— 10
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1015·4	— 0·1	293·7	303·5	26th	283·5	276·7	9th	288·6	287·7	+1·2	52	— 42
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1007·6	1015·8	+ 0·7	289·7	300·3	29th	280·2	274·4	1st	285·0	284·3	+1·8	32	— 34
562*a*	Nagasaki	32 44	129 52	133	999·5	1015·3	— 0·1	292·5	298·3	19th	283·6	279·0	10th	288·1	287·5	+0·3	167	— 13
563	Kyoto	35 1	135 44	42·9	1011·0	1016·2	+ 0·8	292·7	302·2	28th	279·7	272·0	10th	286·2	285·8	+0·6	124	+ 53
564	Tokyo	35 41	139 46	5·8	1013·4	1014·1	— 1·3	291·3	302·2	28th	281·5	275·9	15th	286·4	286·3	+0·8	180	— 12
565	Kanayama	37 53	140 46	24·6	1012·9	1015·9	+ 0·3	290·2	305·0	28th	278·1	271·6	13th	284·1	283·8	+1·2	86	— 25
566	Miyako	39 38	141 59	30·4	1011·5	1015·2	+ 0·5	289·1	302·5	28th	276·9	271·1	3rd	283·0	282·5	+1·3	40	— 31
		N.	E.															

APRIL—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1023·3	+ 3·0	296·4	300·2	30th	288·9	285·2	1st	292·7	*292·2*	..	9	..
605	Honolulu	21 19	157 52	11·6	1016·5	1017·8	— 0·3	299·2	300·8	..	293·7	291·9	..	296·4	*296·2*	+0·6	9	— 46
614	La Paz	24 9	110 20	12	1010·5	1011·9	..	300·9	307·4	21st	284·7	279·4	5th	292·8	..	..	0	..
615	Chihuahua	28 38	106 4	1423	857·6	1009·7	..	299·7	304·0	22nd	286·2	279·0	11th	292·9	*292·0*	..	4	— 1
616	Leon	21 7	101 41	1809	819·9	1006·0	— 1·5	304·1	308·0	18th	283·9	280·5	18th	294·0	*294·8*	+0·4	1	— 8
616*a*	Monterry	25 40	100 18	528	950·7	1009·3	— 1·5	304·8	312·2	13th	291·0	285·8	2nd	297·9	*297·9*	+2·5	21	— 3
617	Tulancingo	20 5	98 22	2181	790·0	..	..	298·5	303·0	17th	284·1	280·5	22nd	291·3	*290·6*	0·0	43	— 25
618	Galveston	29 18	94 50	16·5	1013·7	1015·9	+ 0·3	297·4	300·8	28th	292·7	287·4	19th	295·0	*295·0*	+1·7	42	— 24
618*a*	New Orleans	29 57	90 4	16·2	..	1017·6	+ 1·5	299·8	303·6	13th	292·1	285·2	2nd	295·9	*295·6*	+2·5	97	— 17
619	Merida, Yuc.	20 58	89 38	22	1013·4	1015·9	+ 0·6	306·6	308·6	17th	295·4	294·0	2, 3, 4	301·0	*300·7*	+1·5	5	— 43
620	Havana	23 8	82 21	24·3	..	1018·3	+ 2·2	302·8	305·8	11th	294·4	293·0	7th	298·6	*298·1*	+1·0	0	— 45
620*a*	Key West	24 33	81 48	6·7	1017·7	1018·3	+ 2·0	301·5	303·0	29th	290·4	294·7	2nd	299·0	*298·2*	+1·7	2	— 45
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
622	Watling Island	24 6	74 26	33·5	1016·2	1020·1	+ 3·5	..	301·3	12th	..	294·1	25th	..	*298·1*	..	..	..
633	Izaña	28 19	16 30	2367	768·9	..	..	287·6	295·4	9th	278·4	269·5	22nd	283·0	*283·0*	+3·7	1	— 6
634	La Laguna	28 28	W16 20	547	955·9	1019·7	+ 3·6	292·7	298·6	27th	282·4	275·7	2nd	287·6	*286·9*	+0·2	6	— 6
641	Siwa	29 12	E 25 29	—23	1017·8	1015·0	..	304·2	310·3	21st	285·3	281·3	28th	294·8	..	..	0	— 1
642																		
643	Cairo (Helwan)	29 52	31 20	116	1001·2	1014·6	+ 1·6	301·7	311·9	21st	287·2	283·7	10th	294·5	*294·4*	+0·5	0	— 1
643*a*	Aswan	24 2	32 53	99·6	999·9	1011·0	— 0·1	310·1	317·6	26th	292·6	289·0	sev. dates	301·4	*300·8*	+2·1	..	..
644	Tor	28 14	33 37	1·9	1011·2	1011·4	+ 0·4	301·1	306·4	8th, 22nd	289·8	286·0	13th	295·4	*295·4*	+1·0	0	— 1
647	Bushire	28 59	50 53	4·3	1010·6	1011·2	— 0·4	300·3	310·1	11th	292·8	290·1	2nd	296·6	*295·9*	+0·2	0	— 2
648	Jask	25 44	57 47	4·0	1008·5	1009·1	— 1·3	304·5	307·7	19th	295·7	293·3	1st	300·1	*299·4*	+0·7	0	— 1
649	Karachi	24 53	66 57	4·0	1009·0	1009·4	+ 0·3	303·6	311·3	17th	296·3	292·9	4th	299·9	*299·2*	+0·6	0	— 1
650	Jacobabad	28 17	68 29	56·7	1002·2	1008·5	+ 1·1	313·2	317·5	30th	295·9	290·7	2nd	304·5	*304·0*	+2·2	0	— 1
651	Jaipur	26 56	75 52	436	960·9	1008·8	+ 0·8	311·0	315·4	26th	294·4	289·1	12th	302·7	*302·7*	—0·4	3	— 1
652	Nagpur	21 8	79 5	310	974·2	1008·2	+ 0·4	314·1	317·2	27th	298·2	294·0	4th	306·2	*306·0*	+0·9	5	— 1
653	Allahabad	25 25	81 51	94·1	997·5	1007·5	+ 0·9	313·4	317·1	27th	..	..	..	..	‡*302·4*	..	5	— 1
653*a*	Darjeeling	27 3	88 18	2266	776·5	..	+ 0·8	291·9	294·6	3rd, 18th	283·2	279·2	9th	287·6	*287·9*	+1·5	102	— 52
654	Calcutta	22 36	88 23	6·4	1007·3	1008·1	— 0·1	309·3	312·7	17th	297·9	293·5	9th	303·6	*303·3*	+0·9	30	— 10
655	Gauhati	26 8	91 41	59·7	1003·0	1009·8	0·0	307·3	310·6	18th	294·2	291·7	9th, 14th	300·7	*299·6*	+2·9	30	— 42
655*m*	Cherrapunji	25 15	91 42	1314	868·5	..	+ 0·6	295·9	299·2	18th	289·4	286·2	30th	292·7	*292·1*	+2·1	1174	+ 296
655*a*	Akyab	20 11	92 56	6·1	1008·9	1009·6	— 0·8	304·8	308·2	12th	296·8	293·8	16th	300·8	*300·5*	—0·7	184	— 47
656	Mandalay	21 59	96 0	76·2	1000·7	1009·1	+ 0·1	311·9	315·5	18th	299·3	294·5	22nd	305·6	*305·1*	+0·3	89	— 14
656*a*	Tengyueh	25 2	98 33	1625	834·7	1007·3	— 0·2	295·3	298·6	11th	283·1	279·7	15th	289·2	*288·8*	+0·9	95	+ 53
657	Phu Lien	20 48	106 38	116	997·7	1011·2	+ 0·7	299·7	305·0	3rd	293·7	290·1	1st	296·7	296·0	+0·5	28	— 23
658	Moncay	21 31	107 51	9	1010·5	1011·6	+ 0·7	300·0	304·3	30th	292·9	287·7	16th	296·5	*296·8*	+0·7	20	— 30
659	Hongkong	22 18	114 10	33·2	..	1012·8	+ 0·2	297·3	302·2	22nd	292·8	289·1	1st	295·1	294·7	+0·4	51	— 24
660	Amoy	24 27	118 4	ca.3	1012·7	1013·1	— 0·6	294·0	300·2	29th, 30th	289·9	285·8	9th	291·9	*291·7*	—0·5	71	— 15
661	Taihoku, Formosa	25 2	121 31	9·3	1012·8	1013·9	— 0·1	298·3	304·1	21st	290·1	284·0	17th	294·2	293·7	—0·1	287	+ 153
661*a*	Basco	20 28	121 59	18·7	1008·2	1010·6	— 0·3	302·7	304·8	28th	296·4	293·8	10th	299·5	*299·9*	+0·8	81	+ 147
662	Naha	26 13	127 41	10·5	1013·0	1014·2	— 0·2	296·9	299·7	29th	290·9	285·2	17th	293·9	293·5	—0·4	302	+ 90
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·6	1016·1	+ 0·3	296·0	298·9	24th	291·4	286·3	16th	293·7	293·5	—0·1	203	+ 90
		N.	E.															

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," pages 109 and 110.

APRIL—ZONE 7. Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
715	Colima	19 11	103 45	495	956·2	1011·3	..	303·9	305·5	23rd	294·1	292·3	8th	299·0	*297·9*	..	0	..
716	Morelia	19 42	101 7	1923	810·4	1008·7	..	299·8	303·6	17th	285·8	283·0	2nd	292·8	*292·6*	..	5	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	+ 0·5	301·6	305·9	17th	282·2	279·3	1st	291·9	290·7	+0·9	27	+ 7
718	Salina Cruz	16 12	95 12	56	1004·6	1011·0	..	303·8	308·4	30th	298·5	296·5	3rd	301·1	*301·2*	+0·9	0	— 6
719	San Salvador	13 42	89 13	682	937·5	1012·8	+ 1·0	306·6	309·0	17, 28, 29	290·9	287·4	2nd	298·7	*297·1*	—0·1	4	— 56
720	Belize	17 29	88 12	5·2	1013·4	1014·0	+ 0·6	..	..	..	297·1	296·1	4th	..	‡*299·7*	+0·4	2	— 65
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·2	+ 1·8	302·9	304·9	25th	293·7	291·8	25th	298·3	*298·3*	—0·1	122	+ 48
722	Port au Prince	18 33	72 20	37·4	1012·3	1016·6	+ 1·9	304·9	307·8	19th	294·7	292·9	20th	299·8	*299·6*	+0·5	154	— 10
723	Caracas	10 30	66 55	1042	900·6	1015·0	+ 2·1	300·1	302·8	7th	288·3	285·9	29th	294·2	*292·6*	—0·6	1	— 39
724	Montserrat	16 41	62 9	39·6	1012·1	1016·7	+ 1·7	..	..	..	294·5	293·0	18th	..	..	..	137	+ 49
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡996·8	‡1014·8	+ 2·0	301·6	303·6	22nd	295·8	293·6	1st	298·7	*298·3*	—0·4	32	— 26
725	Barbados	13 8	59 36	55·2	..	1015·8	+ 1·7	301·9	303·1	28th	295·4	293·3	7th	298·7	*298·5*	+0·3	13	— 29
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·0	1014·3	— 0·2	297·2	300·0	9th	289·6	286·0	5th, 6th	293·4	*294·5*	—0·5	0	— 25
732	São Tiago, C. Verde Is.	14 54	23 31	34	1010·3	1014·3	0·0	300·2	305·6	9th	293·6	291·0	6th	296·9	*297·1*	+0·6	0	— 1
734	Bathurst	13 27	16 34	1·8	..	1013·9	+ 0·3	300·8	304·7	14th	291·0	288·6	3rd, 4th	295·9	*295·7*	—1·8	0	0
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·0	315·8	12th	295·6	293·0	3rd	304·3	..	0·0	0	0
735*a*	Niénébalé	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	1	..
737	Sokoto	13 2	E 5 14	353	..	..	..	313·8	316·3	17th, 30th	298·1	293·6	17th	305·9	*305·5*	+0·1	2	— 2
738	Kaduna Capital	10 32	7 25	637	943·1	1014·1	+ 1·7	305·9	308·6	1st, 12th	293·9	290·2	20th	299·9	*299·4*	—1·0	133	+ 40
739	Hadeija	12 40	10 5	?	..	..	..	316·7	319·1	23rd, 26th	..	..	..	..	‡*306·6*	+0·2	1	— 8
740	Maiduguri	11 47	13 11	361	..	..	..	316·3	319·1	1, 22, 24	297·7	292·4	14th	307·0	*306·6*	+0·7	5	— 5
741	El Fasher	13 32	25 18	730	..	..	..	311·6	314·9	2nd, 23rd	289·0	284·2	20th	300·3	*300·2*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	312·0	315·0	2, 22, 23	294·0	291·4	11th	303·0	*302·8*	+1·4	0	— 1
743*a*	Khartoum	15 37	32 33	390	963·4	1006·3	— 0·5	312·5	316·0	3rd	295·9	292·8	7th	304·2	*304·8*	+0·6	0	0
744	Port Sudan	19 37	37 13	5·5	1009·8	1010·4	+ 0·6	305·4	310·6	22nd	294·4	290·7	8th	299·9	*299·8*	+0·6	4	+ 3
745	Berbera, Somaliland	10 22	45 2	9·5	1007·9	1008·9	— 2·6	305·5	309·7	22nd	296·2	291·9	1st	300·8	*301·8*	—0·8	0	— 11
746	Aden	12 45	45 3	28·7	1007·6	1010·9	— 0·6	304·3	307·0	25th	297·4	295·2	2nd	300·9	*299·9*	—0·6	0	— 5
751	Bombay	18 54	72 49	11·3	1008·8	1010·1	— 0·5	305·4	307·2	26th	298·9	295·4	1st	302·1	301·5	+0·7	0	— 1
752	Kodaikanal	10 14	77 28	2343	771·3	..	— 0·4	294·9	297·4	25th	284·6	282·0	12th	289·7	*288·9*	+0·5	53	— 62
752*a*	Bangalore	12 59	77 38	920	910·1	1009·2	— 0·1	307·9	309·6	3rd	293·7	290·9	16th	300·8	*300·1*	+0·5	19	— 15
753	Madras	13 4	80 14	6·7	1008·8	1009·7	— 0·4	307·3	314·2	23rd	298·8	295·6	8th	303·1	*302·4*	+0·5	0	— 15
754	Vizagapatam	17 42	83 19	11·6	1008·2	1009·5	0·0	305·7	308·9	17th	299·8	298·0	15th	302·8	*302·2*	+0·1	0	— 22
755	Port Blair	11 40	92 40	18·0	1007·3	1009·3	— 1·4	304·2	306·1	16th	298·2	294·7	13th	301·2	*300·6*	—1·4	323	+254
756	Rangoon	16 46	95 48	5·5	1010·2	1010·9	+ 0·3	307·3	310·9	15th	297·8	296·2	1st	302·6	*301·3*	—1·0	70	+ 32
757	Saigon	10 47	106 42	11	1008·3	1009·5	+ 0·4	307·1	309·7	13th	297·1	295·4	24th	302·1	*301·5*	—0·7	140	+ 95
758	Nhatrang	12 15	109 12	3·6	1010·2	1010·6	+ 0·7	304·5	306·6	29th	295·8	293·8	2nd	300·1	*299·5*	—0·4	13	— 9
759	Bolinao	16 23	119 53	7·1	1007·6	1008·5	— 0·4	307·5	310·7	13th	297·0	294·2	2nd	302·3	*301·3*	—0·3	16	— 11
761	Vigan	17 34	120 23	12·2	..	1009·7	+ 0·7	306·0	308·5	10th	297·3	294·5	1st	301·7	301·4	+0·2	18	— 1
761*a*	Manila	14 35	120 59	14·2	..	1010·1	+ 0·2	308·0	309·6	3rd, 22nd	295·8	292·2	6th	301·9	301·2	+0·1	24	— 9
762	Ormoc	11 0	124 36	5·6	1008·2	1008·9	+ 0·1	306·2	307·9	6th	295·8	293·7	24th	301·0	*300·6*	+1·3	58	— 20
765	Guam, Ladrone Is.	13 24	144 38	20·4	1006·8	1009·4	0·0	303·4	304·8	30th	298·1	296·4	2nd	300·7	*298·9*	—1·3	19	— 27
		N.	E.															

APRIL—ZONE 8. Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·1	1010·8	..	303·2	304·6	8th	297·9	295·4	22nd	300·6	*300·2*	0·0	409	— 1
821	Colon	9 23	79 23	11·0	..	1011·4	0·0	303·4	304·7	15th	298·8	296·9	4th	301·1	*300·7*	+1·1	54	— 55
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	85	— 59
823	Merida, Venez.	8 36	71 9	1641	‡842·0	..	+ 0·6	297·5	300·5	29th	288·2	286·5	8th	292·9	*291·7*	—0·1	98	— 67
824	Ciudad Bolivar	8 9	63 33	38	..	..	..	307·5	309·2	23rd	296·3	295·0	15th, 16th	301·9	*301·2*	..	1	— 21
825	El Peru, Guayanavieja	7 19	61 49	220	987·8	1012·8	+ 1·9	303·7	305·2	26th	292·5	290·7	12th	298·1	*297·4*	—1·0	40	— 33
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·1	+ 2·5	302·4	304·1	24th	297·3	295·2	22nd	299·9	*299·7*	—0·1	15	—138
826*a*	Paramaribo	5 49	55 9	3·7	‡1014·5	‡1014·9	+ 2·0	302·5	304·2	1st, 29th	295·6	293·5	12th	299·1	*298·8*	+0·3	238	+ 14
	Cayenne	4 56	52 21	6	1013·7	1014·4	+ 2·7	302·6	304·0	15th, 21st	295·6	293·0	2nd, 27th	299·1	*298·2*	—0·2	439	— 42
831	10°—5° N. 30°—25° W.	††7 16	††27 12	§(68–71)	..	1012·8	+ 0·6	..	..	Sea Temp. 298·4	—0·5	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	303·1	306·0	11th	296·7	295·0	5th	299·9	*299·5*	—1·6	13	— 13
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·2	1012·1	+ 1·3	303·9	306·3	7th	296·4	294·7	9th	300·2	*299·3*	—0·8	113	+ 10
835	Assuantsi	5 18	1 15	101	..	..	..	304·3	306·3	15th	294·7	293·0	8th	299·5	*298·9*	..	200	..
836	Accra	5 33	W 0 12	27·0	1007·7	1010·7	..	304·2	305·8	9th, 18th	296·9	294·1	12th	300·6	*300·1*	+0·3	64	— 30
837	Lagos	6 27	E 3 24	4·6	1009·8	1010·3	+ 0·8	304·2	305·4	9th	297·4	294·7	2nd	300·8	*302·3*	—0·4	188	+ 42
839	Zungeru	9 48	6 10	130	..	..	..	309·4	312·4	18th	295·7	288·6	7th	302·5	*301·9*	—1·1	28	— 30
841	Yola	9 12	12 30	259	..	..	..	309·6	314·1	22nd	..	..	..	..	‡*301·4*	—1·7	187	+134
	Wau	7 42	28 3	440	..	..	..	313·3	316·0	9th	?294·0	?289·5	3rd	?303·6	*?301·4*	—0·3	168	+115
843	Malakal (Kodok)	9 35	31 37	394	963·8	1007·2	+ 0·7	312·6	315·1	22nd	297·8	294·3	19th	305·2	*304·0*	+1·1	0	— 22
843*a*	Mongalla	5 11	31 47	439	959·6	1008·3	+ 1·4	?308·0	?313·0	1st	294·9	292·0	6th, 15th	?301·4	*?299·9*	—0·3	129	+ 23
844	Entebbe	0 5	32 29	1171	884·3	1010·0	+ 0·9	298·8	300·0	3rd, 30th	290·8	288·8	6, 9, 11	294·8	*295·2*	+1·0	188	— 60
845	Mbiticoy	8 17	72 49	2·1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
852	Cochin	9 58	76 21	2·7	1010·3	1010·7	+ 0·3	305·7	306·9	15th	299·2	296·2	17th	302·4	*301·8*	0·0	135	+ 9
853	Colombo Observatory	6 54	79 53	7·3	..	1009·4	+ 0·8	304·9

APRIL—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1009·3	1010·2	+ 0·1	..	..	..	..	..	..	..	*300·2*	−0·7	105	— 13
924	Manaos	3 8	60 1	43·8	..	..	..	302·4	305·4	4th	296·1	294·4	9th	299·2	*298·7*	−0·9	141	— 62
926	Taperinha	2 30	54 20	20·0	1010·1	1012·4	+ 1·0	303·0	304·6	29th	295·5	294·8	7th, 8th	299·2	*298·2*	+0·4	420	— 21
927	Turyassu	1 43	45 26	15·1	1010·1	1011·8	+ 1·7	303·6	306·0	2nd, 28th	294·7	293·4	18th	299·2	*298·1*	−0·2	422	+ 66
928	Barra do Corda	5 30	45 16	81·0	1001·3	1010·7	+ 0·1	303·2	305·2	17th	295·3	293·6	19th	299·2	*297·8*	−0·3	169	+101
929	Quixeramobim	5 16	39 15	207	989·7	1013·1	+ 1·7	302·1	303·8	3rd	295·8	295·0	sev. dates	299·0	*298·7*	−1·3	523	+ 44
930	Fernando Noronha	3 50	W32 25	106	1000·4	1012·2	+ 0·9	301·3	302·7	18th	296·9	294·7	9th	299·1	*298·8*	+0·3	287	— 13
939	Loanda	8 49	E13 13	59·3	..	1012·9	+ 2·3	301·6	303·5	26th	296·8	295·4	29th	299·2	299·3	+0·5	166	+ 49
940	Brazzaville	4 17	15 16	320	977·2	1013·1	+ 2·3	305·8	309·0	19th, 22nd	294·4	293·0	6th	300·1	*299·4*	+0·2	136	— 73
943	Masaka	0 21	31 47	?1280	..	..	..	304·2	310·2	30th	..	..	..	..	*293·2*	+0·5	148	— 28
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·4	299·1	5th, 29th	288·0	284·1	4th	292·7	..	..	200	— 295
944a	Zanzibar	6 10	39 11	21·9	1012·5	1015·1	+ 1·4	303·2	304·4	14th	298·9	297·7	9th	301·1	*300·5*	+0·9	53	— 66
945	Lamu	2 16	40 50	3·1	..	..	..	303·6	304·7	1, 2, 4	298·6	295·8	14th	301·1	*300·7*	+0·2	113	— 86
947	Seychelles, Port Office	4 37	55 27	4·6	1010·1	1010·6	0·0	302·8	303·9	10th	299·9	298·1	3rd	301·4	*300·7*	+1·3	97	
957	Padang	0 56	100 22	6·7	..	1009·9	− 0·3	..	..	..	..	..	..	..	..	..	521	+153
958	Batavia	6 11	106 50	8·0	1008·5	1009·4	+ 0·1	303·4	306·0	22nd	296·9	296·0	20th	300·2	299·7	+0·3	314	— 34
958a	Pontianak	0 1	109 20	2·6	..	1010·1	+ 0·4	..	..	..	..	..	..	..	..	..	242	+ 64
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	195	+151
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	277	
962	Amboina	3 42	128 10	4·2	..	1009·3	+ 0·3	..	..	..	..	..	..	..	..	..	311	+ 24
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	254	— 2
965	Daru	9 4	143 13	7·6	..	1009·0	− 0·9	302·4	..	..	297·3	..	..	299·8	*299·4*	−0·3	584	+239
966	Port Moresby	9 29	147 9	39·0	..	1009·3	− 0·6	303·2	..	..	296·4	..	..	299·8	*299·3*	−0·7	138	+ 15
967	Rabaul	4 9	152 12	20·7	..	1007·9	..	305·2	306·6	1, 18, 23	296·1	294·7	10th, 11th	300·7	*300·1*	+0·4	298	+ 56
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	330	+ 39
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	?1008·9	?1009·1	+ 0·1	?303·9	306·0	10th, 11th	?297·2	?295·9	10th	?300·6	*?300·3*	−0·1	788	—172
970	Ocean Island	0 52	169 35	54·0	1001·3	1007·4	− 0·4	304·0	304·7	8, 11, 16	298·1	296·3	27th, 30th	301·1	*300·4*	+0·2	80	
		S.	E.															

APRIL—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1010·7	+ 0·8	303·3	305·9	22nd	297·9	296·7	2nd	300·6	300·2	+1·1	138	—150
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·2	305·2	8th	295·8	293·0	20th	299·0	*298·7*	+0·2	503	+ 19
1021	Arequipa	16 22	71 33	2451	761·4	..	+0·4	293·7	295·8	18th	284·1	282·1	13th	288·9	*288·4*	+1·4	20	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	284·0	282·0	sev. dates	..	*292·2*	..	0	— 1
1023																		— 0
1024	Sucre, Bolivia	19 3	65 16	2848	728·4	..	..	288·7	292·0	5th	280·1	278·2	29th	284·4	*284·5*	..	39	
1025	Corumba	18 59	57 39	116	999·5	1012·6	+ 2·4	304·1	306·2	19th	293·9	287·6	28th	299·0	*298·4*	+0·1	43	— 81
1026	Cuyaba	15 36	56 6	165	993·3	1012·1	+ 1·8	305·3	308·5	26th	294·9	292·0	29th	300·1	*298·6*	−1·2	153	— 51
1027	Bello Horizonte	19 55	43 57	895	916·7	1015·6	+ 1·6	299·8	302·7	28th	288·7	285·0	21st	294·3	294·0	+0·5	15	— 56
1028	Caetite	14 3	42 37	897	916·8	1015·5	+ 1·7	299·8	301·7	26th	291·1	289·7	26th	295·4	*296·1*	+0·7	10	— 56
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·4	1013·7	+ 0·9	301·8	303·0	7th	296·7	294·9	17, 18, 30	299·2	*299·2*	+0·6	366	— 6
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	
1035	St. Helena	15 57	W 5 40	‡604	946·0	1014·4	+ 1·0	296·4	299·1	21st	288·2	286·3	18th	292·3	*292·2*	+0·5	107	+ 0
1039	Mossamedes	15 12	E12 9	12·5	..	..	..	299·7	..	..	288·6	..	..	294·1	..	..	..	— 53
1041	Elisabethville	11 39	27 28	1236	879·6	1013·2	+ 3·0	301·5	305·0	29th	284·4	279·5	10th	292·9	..	—1·0	79	+ 52
1042	Gwelo	19 28	29 48	1417	864·2	1016·6	+ 1·3	300·0	304·7	1st	283·6	280·2	22nd, 24th	291·8	..	+0·4	0	— 26
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡855·5	‡1012·6	0·0	301·1	304·7	3rd	284·1	280·8	6th	292·6	*291·4*	+0·9	0	— 84
1044	Zomba	15 23	35 18	955	909·0	1013·9	+ 0·5	299·5	305·2	29th	288·2	285·2	7th	293·9	*293·8*	+0·2	30	— 76
1045	Antananarivo	18 55	47 32	1400	866·0	1018·4	+ 1·4	296·1	298·5	30th	285·0	282·2	6th	290·5	*289·7*	−1·7	2	— 35
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	352	..
1047	Vchémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	71	..
1048	Antalaha	14 58	50 19	3	..	1009·2	..	..	..	..	..	..	..	..	..	..	..	+ 1
1055	Cocos Keeling Is.	12 5	96 53	4·6	1011·8	1012·3	+ 1·3	301·9	303·7	10th	298·1	295·4	13th	300·0	*299·7*	−0·4	237	— 58
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	− 0·1	304·9	306·3	..	297·6	296·9	..	301·2	*300·5*	+0·4	147	— 48
1061	Kupang	10 10	123 34	45·1	..	1010·3	+ 0·4	305·3	307·0	23rd	295·0	293·6	11th	300·1	299·5	..	19	— 83
1061a	Derby	17 18	123 40	16·2	1009·6	1011·5	+ 0·2	308·3	310·6	1st	296·9	293·1	12th	302·6	..	+0·9	1	— 99
1062	Hall's Creek	18 13	127 46	374	969·4	1011·5	− 0·8	307·1	309·5	27th	291·0	288·2	11th	299·0	*298·5*	+0·4	13	— 97
1063	Darwin	12 28	130 51	29·6	1006·6	1009·9	+ 0·7	306·8	309·1	17th	297·3	294·6	26th	302·1	*300·9*	+0·2	97	— 74
1064	Daly Waters	16 16	133 23	211	985·4	1009·0	− 1·5	307·9	309·7	23, 25, 28	292·9	289·1	8, 9, 10	300·4	*299·9*	+0·4	3	— 65
1065	Mein	13 13	142 47	122	994·8	1008·7	− 0·4	302·9	304·4	4th	293·3	289·3	7th	298·1	..	−1·1	65	— 74
1066	Georgetown, Queensland	18 22	143 32	302	978·7	1012·7	+ 0·8	305·4	307·9	22nd	292·3	287·3	12th, 13th	298·9	..	+0·1	4	— 74
1066a	Willis Island	16 18	149 59	8·5	1010·1	1011·1	..	301·8	302·4	sev. dates	297·5	296·3	3, 11, 14	299·7	*299·3*	..	147	— 74
1076	Samarai	10 37	150 40	15·2	..	1009·8	+ 0·2	301·9	..	..	296·8	..	..	299·3	*299·0*	−0·5	341	+ 19
1072	Suva, Fiji	18 8	178 26	6·1	1010·5	1011·3	− 0·7	302·4	304·3	10th	294·0	292·3	28th	298·2	*297·9*	−0·7	315	+ 11
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112 † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 116

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

APRIL—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·2	303·3	6th	296·0	291·9	20th	298·6	*298·3*	+0·8	160	— 36
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1012·6	1015·8	+ 0·2	290·2	293·0	15th	285·1	283·8	23rd, 25th	287·7	*287·6*	−0·1	0	— 1
1122	Iquique	20 12	70 11	9	1013·4	1014·5	+ 0·2	293·1	295·3	9th	287·0	286·0	27th	290·1	*291·2*	−0·2	0	0
1123	Catamarca	28 27	65 47	510	955·9	1014·1	+ 2·4	298·6	305·3	11th	285·8	277·7	4th	292·2	291·7	−1·8	7	— 11
1124	Salta	24 46	65 28	1178	881·9	1011·8	− 0·7	294·2	301·0	22nd	285·5	277·8	29th	289·9	289·6	−1·0	28	— 2
1125	Goya	29 9	59 15	26	1013·3	1016·4	+ 3·7	297·6	306·0	13th	287·4	279·9	28th	292·5	292·0	−0·8	184	+ 65
1126	Asuncion	25 21	57 37	93	1003·4	1014·1	+ 0·7	304·3	312·0	19th	291·1	283·2	28th	297·7	295·9	+0·9	64	— 68
1127	Curityba	25 25	49 17	908	916·1	1017·5	+ 1·3	294·7	299·1	4th	287·1	282·0	12th	290·9	*290·1*	+0·4	65	— 13
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·4	1017·4	+ 2·6	299·0	305·4	4th	293·9	290·0	10th	296·4	296·3	−0·2	133	+ 27
1139	Windhoek	22 34	E17 5	1669	..	..	..	299·1	302·0	3rd	287·0	279·9	29th	293·0	*293·0*	+1·0	0	— 40
1140																		
1141	Kimberley	28 42	24 47	1202	884·7	1015·5	+ 0·5	301·6	304·1	22nd	284·3	279·2	30th	292·9	292·7	+2·5	1	— 35
1141a	Johannesburg	26 11	28 4	1806	825·4	1017·4	+ 1·1	296·0	299·7	22nd	284·3	280·9	19th	290·2	289·9	+1·8	15	— 29
1142	Bulawayo	20 9	28 35	1340	870·6	1015·7	+ 0·7	299·7	304·3	27th	284·6	281·2	8th	292·1	*291·4*	+0·2	0	— 16
1143	Durban	29 52	31 3	15·2	1017·9	1019·5	+ 0·7	298·4	302·7	11th	291·5	288·2	2nd	295·0	*294·4*	+0·2	162	+ 76
1144	Lourenço Marques	25 58	32 36	59	..	1018·7	+ 1·1	301·4	306·9	13th	291·0	288·4	24th	296·2	295·6	−0·2	85	+ 38
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	0	..
1146	Fort Dauphin	25 2	46 58	25	..	1017·3	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1007·3	1013·7	− 0·3	299·8	304·0	1st	293·1	288·0	30th	296·5	296·1	−1·0	141	+ 27
1159	Onslow	21 43	114 57	4·3	1010·6	1011·5	− 0·5	306·8	312·4	11th	291·8	286·2	22nd	299·3	..	−0·4	0	— 23
1160	Cue	27 27	117 52	454	961·4	1012·4	− 2·7	301·7	309·3	12th	288·7	279·9	30th	295·2	..	−0·4	6	— 13
1161																		
1162	Nullagine	21 53	120 5	386	968·4	1011·6	− 1·2	306·4	309·9	2nd	290·1	286·3	13, 23, 27	298·2	..	0·0	0	— 26
1163	Laverton	28 40	122 23	466	962·3	1015·3	− 2·2	300·2	309·4	14th	287·8	278·9	30th	294·0	*294·0*	+0·3	25	— 1
1164	Alice Springs	23 38	133 37	587	946·7	1012·4	− 3·9	304·0	310·3	2nd	287·2	280·2	6th	295·6	*295·8*	+2·5	24	+ 5
1164a	William Creek	28 55	136 21	76·2	1006·5	1015·3	− 3·0	303·7	311·1	17th	289·4	283·3	5th	296·6	*296·3*	+4·0	14	+ 4
1165	Thargomindah	22 55	139 38	146	..	..	..	308·1	310·8	2nd, 3rd	293·6	287·1	6th	300·8	*301·0*	+4·2	0	— 20
1166	Mitchell	27 58	143 43	123	1000·1	1014·2	− 2·0	305·2	310·4	1st	291·4	284·2	6th	298·3	*298·2*	+3·5	3	— 18
1167																		
1168	Rockhampton	23 24	150 30	11·3	1014·2	1015·5	0·0	302·7	306·9	13th	291·7	289·1	5th	297·2	..	+0·5	19	— 39
1169	Brisbane	27 28	153 2	41·7	1013·2	1018·0	+ 0·4	300·9	305·8	13th	290·1	287·7	25th	295·5	*294·8*	+1·2	115	+ 24
1170	Norfolk Island	29 4	167 59	15·2	1017·2	1018·8	+ 1·5	296·2	298·6	14th	289·9	286·3	12th	293·1	*292·7*	−0·3	49	— 56
		S.	E.															

Between Latitude 30° S. and 40° S.

APRIL—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	292·3	295·2	17th	287·8	285·8	26th	290·1	*290·1*	0·0	59	— 32
1221d	Punta Tumbes	36 37	73 6	120	1003·0	1017·5	+ 1·1	288·8	291·0	sev. dates	281·9	277·8	26th	285·3	*285·2*	−1·0	33	— 11
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·7	1015·6	− 0·3	291·8	298·8	7th	282·7	279·8	28th	287·3	*286·7*	−1·7	5	— 6
1222a	Santiago	33 27	70 42	520	954·8	1015·4	+ 0·2	297·0	303·0	28th	278·2	274·7	27th	287·6	*286·3*	−0·1	0	— 15
1223	Cordoba	31 25	64 12	423	967·8	1017·0	+ 2·9	295·3	304·3	..	282·9	276·1	..	289·1	288·6	−1·1	80	+ 35
1224	Bahia Blanca	38 45	62 15	25	1014·8	1017·9	+ 3·4	293·3	300·0	18th	282·2	274·0	26th	287·7	287·6	−0·7	60	+ 3
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1016·6	1019·5	+ 3·5	293·7	299·8	12th	283·1	270·7	26th	288·4	288·4	−0·9	121	+ 33
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1016·7	+ 1·5	293·1	299·0	12th	286·4	281·4	29th	289·7	*289·5*	−1·3	122	+ 7
1226a	Porto Alegre	30 2	W51 13	23·5	1014·3	1017·1	+ 1·3	296·7	304·9	22nd	288·4	282·8	8th	292·5	292·3	−1·3	134	+ 9
1239	Cape Town	33 56	E 18 29	12·2	..	1017·2	+ 0·9	296·3	311·9	4th	285·4	281·3	12th	290·8	*289·0*	+0·5	28	— 21
1240	Danger Point	34 37	19 18	27·7	1007·2	1010·5	..	293·1	301·9	5th	286·7	283·0	13th	289·9	..	+0·5	22	— 19
1241	Riversdale	34 6	21 16	30·5	1005·6	1009·2	..	298·4	313·6	4th	283·7	278·6	14th	291·1	..	..	31	— 12
1242	East London	33 1	27 54	9·8	..	1017·7	+ 0·8	296·8	310·2	12th	288·4	284·1	14th	292·6	..	+0·8	62	— 6
1259																		
1260	Perth (Observatory)	31 57	115 51	60·0	1009·5	1016·9	− 1·6	297·4	308·0	12th	285·9	281·3	30th	291·7	*291·5*	−0·5	69	+ 29
1261	Katanning	33 42	117 35	310	980·4	1017·0	− 1·7	296·1	307·7	13th	282·0	277·1	30th	289·1	..	−0·2	27	— 3
1262																		
1263	Coolgardie	30 57	121 10	423	966·6	1015·4	− 3·1	298·7	309·0	13th	285·7	276·3	30th	292·2	*292·2*	+0·9	24	0
1264	Streaky Bay	31 45	128 58	4·6	1014·7	1015·2	− 3·6	296·8	311·0	14th	287·4	281·4	30th	292·1	*291·6*	+0·3	58	+ 30
1265	Adelaide	32 48	134 13	13·1	..	1016·9	− 3·0	297·9	305·8	16th	287·3	281·9	8th	292·6	*292·0*	+1·9	38	+ 12
1265a	Melbourne	34 56	138 35	42·7	1012·3	1017·3	− 2·8	296·7	306·9	16th	287·1	281·7	5th, 8th	291·9	*291·5*	+1·2	38	— 7
1266	Bourke	37 49	144 58	35·1	1012·8	1016·9	− 2·5	294·2	307·4	17th	284·8	278·2	2nd	289·5	*289·2*	+1·2	35	— 22
1267																		
1268	Sydney	33 51	151 13	40·5	1012·5	1017·3	− 1·2	298·6	305·8	20th	288·7	284·9	7th	293·7	..	+2·5	33	—108
1271	Lord Howe Island	31 20	159 0	4·6	1018·2	1018·8	− 0·2	296·7	299·2	20th	..	..	..	..	..	..	66	— 79
1272	Auckland	36 50	174 50	38·1	..	1016·6	− 2·0	292·3	295·2	6th	286·3	282·2	3rd	289·3	..	+0·1	106	+ 20
	Napier	39 32	176 53	21·3	..	..	..	292·9	298·8	17th	281·6	276·3	28th	287·2	..	−0·6	7	— 48
		S.	E.															

Between Latitude 40° S. and 50° S.

APRIL—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1007·0	..	..	..	..	..	..	..	..	..	..	52	— 31
1321	Isla Guafo	43 34	74 45	140	1000·3	1017·2	+ 3·1	285·8	291·5	2nd	281·6	277·5	24th	283·7	*283·7*	+0·1	77	— 31
1322	Punta Galera	40 1	73 44	40	1014·3	1019·2	+ 3·2	286·9	293·0	2nd	281·4	277·2	25th	284·1	*284·8*	−0·7	49	—171
1323	Sarmiento	45 30	69 0	274	981·0	1012·0	+ 1·3	290·9	299·4	9th	276·8	266·9	23rd	283·9	283·8	+0·2	1	— 10
1324	Punta Madryn	42 49	W64 58	14	1015·2	1016·8	+ 5·2	293·4	304·0	9th	280·1	272·8	23rd	286·7	286·7	−0·4	4	— 11
1365																		
1366	Launceston	41 27	E147 10	10·1	1011·4	1012·6	− 3·2	291·6	298·8	16th	280·6	272·9	25th	286·1	*285·3*	+0·4	32	— 21
1370	Hobart	42 53	147 20	53·9	1004·5	1011·0	− 3·4	290·5	301·8	17th	281·8	275·6	25th	286·2	*285·4*	+0·4	51	+ 3
1371																		
1371a	Invercargill	46 25	168 21	3·7	..	..	..	288·1	296·9	6th	278·5	271·9	30th	283·3	..	−0·1	150	+ 40
1372	Dunedin	45 52	170 31	91·4	..	1009·9	− 5·4	288·4	296·3	18th	280·3	275·8	29th	284·3	..	+0·4	60	— 9
	Christchurch	43 31	172 39	7·6	..	1011·1	− 3·2	289·5	296·9	19th	279·6	272·2	23rd	284·6	..	−0·3	15	— 35
	Wellington	41 16	174 46	3·1	..	1014·2	− 3·2	290·9	294·3	20th	283·6	276·9	23, 26, 27	287·2	..	+0·4	28	— 71
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

RÉSEAU MONDIAL

APRIL—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.			a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24 S.	75 6 W.	55	998·3	1005·0	+ 3·2	281·7	285·8	15th	277·4	274·0	24th	279·5	279·5	−0·6	293	+ 7
1422	Puerto de Punta Arenas	53 10	70 54	28	999·2	1002·6	+ 1·3	282·8	289·6	2nd, 8th	277·4	273·5	13th	280·1	*280·3*	+0·7	26	— 14
1423	Punta Dungeness	52 24	68 26	5	1001·4	1002·0	+ 0·9	283·9	289·0	16th	277·9	274·0	25th	280·9	*280·6*	−0·3	..	..
1424	Santa Cruz	50 11	68 21	12	1004·9	1005·9	+ 1·5	288·1	297·4	16th	276·9	270·4	1st	282·5	282·5	+0·7	2	— 13
1424*a*	Año Nuevo‡	54 39	64 8	50	..	..	..	280·2	284·0	2nd	274·0	266·6	26th	277·1	*276·7*	−2·2	67	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	999·9	1002·5	+ 1·2	282·1	288·6	17th	275·7	269·1	26th	278·9	279·3	−0·4	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	992·0	992·5	− 3·4	280·5	292·1	11th	273·0	265·9	29th	276·7	*276·9*	+1·5	121	— 13

APRIL—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	984·4	985·3	− 5·3	271·6	278·1	7th	266·9	254·3	29th	269·3	269·3	−0·7	31	— 13
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.			a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—APRIL 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direct and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	9h.
1	ESE	5·6	ENE 3	SW 2	SW 5	SW 1	SW 1	SE 3	..	SE 2	E 2	E 2	SE 5
2	ESE	3·5	E 3	W 1	SW 1	S 1	S 2	NE 2	..	..	E 2	E 2	NE 3
3	ESE	2·3	E 2	SW 2	SW 3	S 1	S 2	NNE 2	..	NW 2	NE 2	NE 2	Calm 0
4	ESE	4·3	E 2	WSW 1	Calm 0	S 1	SW 2	NE 2	..	Calm 0	E 3	E 3	NNW 3
5	ESE	6·1	E 1	Calm 0	SW 1	SW 1	SW 1	EbyS. .	..	NW 2	ENE 4	ENE 3	NW 2
6	E	7·4	ESE 3	NW 1	SW 2	SW 2	SW 1	EbyS 3	..	NW 4	ENE 3	ENE 2	S 0
7	SE	9·1	E 2	NW 1	SW 1	SW 1	S 1	E 4	..	NW 2	E 3	E 1	N 2
8	SE	10·4	E 3	Calm 0	NW 2	SE 1	SE 1	E 4	..	Calm 0	E 3	E 3	NNW 3
9	SE	11·1	E 3	NE 1	SW 1	S 1	S 2	E 5	..	..	E 3	E 3	Calm 0
10	SE	9·1	E 3	SW 1	SW 2	S 1	SE 1	E 6	..	SE 2	E 3	E 3	W 2
11	SE	9·0	ENE 3	Calm 0	SW 3	SW 1	S 1	SE 6	..	SE 2	E 3	E 4	Calm 0
12	SSE	8·4	E 1	Calm 0	SW 2	W 2	S 1	SE 4	..	SE 2	ESE 4	ESE 4	Calm 0
13	SE	10·2	E 2	Calm 0	SW 1	S 1	S 2	ESE 3	..	SE 2	ESE 4	ESE 4	NNE 2
14	SE	5·8	E 2	SW 1	SW 1	S 1	W 1	ESE 4	..	Calm 0	E 3	E 4	Calm 0
15	SE	5·9	E 3	Calm 0	SW 1	W 1	SW 1	ESE 4	..	..	ESE 2	ESE 2	SE 2
16	SSE	4·4	ENE 2	N 1	SW 1	S 2	S 1	ESE 4	..	..	ESE 3	ESE 4	E 2
17	SE	2·7	E 3	NE 1	SW 3	S 1	S 1	E 4	..	..	ESE 3	E 2	SE 2
18	SSE	2·8	E 1	Calm 0	SW 1	W 1	S 2	SE 4	..	Calm 0	E 3	E 3	SE 2
19	SE	5·7	NE 2	Calm 0	Calm 0	S 1	SW 2	SE 4	..	Calm 0	E 3	E 4	SE 2
20	SE	5·1	E 2	Calm 0	Calm 0	S 2	SW 1	SE 2	..	NW 2	ENE 5	ENE 5	S 1
21	SE	4·2	E 3	Calm 0	SW 2	S 1	S 2	SE 2	..	Calm 0	ESE 5	ESE 5	NNE 2
22	SE	9·8	E 3	Calm 0	SW 2	S 1	S 1	NE 3	..	SE 2	ESE 3	E 4	E 3
23	SSE	8·2	ENE 3	W 1	SW 1	S 1	S 2	NE 2	..	..	E 3	E 1	E 2
24	SSE	11·5	E 4	Calm 0	SW 1	S 1	S 1	SE 3	..	Calm 0	E 3	E 2	E 2
25	SE	8·2	E 3	NW 1	Calm 0	S 1	S 2	E 4	..	Calm 0	ESE 2	E 1	SE 2
26	SE	7·4	E 2	Calm 0	SW 3	SE 2	S 1	E 4	..	SE 2	E 1	E 2	NNE 2
27	SE	6·6	E 3	W 1	SW 2	E 2	S 1	E 4	..	Calm 0	E 2	E 2	SE 3
28	ESE	8·7	E 4	Calm 0	Calm 0	S 2	SE 2	E 4	..	Calm 0	E 1	Calm 0	Calm 0
29	ESE	8·7	E 3	NW 1	W 1	S 1	S 1	SE 5	..	Calm 0	E 1	Calm 0	E 2
30	ESE	7·1	E 2	Calm 0	SW 4	S 1	S 1	SE 4	..	Calm 0	Calm 0	Calm 0	
								SE 4	..	..	Calm 0	Calm 0	
Mean	..	7·0	2·5	0·6	1·6	1·2	1·4	3·6	..	1·1	2·7	2·6	
§Resultant	130° (92)	..	85° (96)	240° (50)		190° (84)		105° (87)		135° (8)	90° (86)		75° (4
§Normal	138° (89)	6·6	‖78° (77)	277° (35)		250° (41)		81° (78)		125° (36)	‖100° (47)		91° (4

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—APRIL 1922.

‡‡*Barents Sea.*—In the eastern part the ice was much more easterly than usual, with a deep bight in the ice towards the northeast, and in the northern part the ice edge, in 76°N., was about 100 miles more northerly than usual. The ice belt round Bear Island varied in width, but from the 14th the sea was open. The area covered was 978 × 10^3 sq. km. compared with a normal of 1155 × 10^3 sq. km.

‡‡*White Sea.*—At the entrance to the White Sea the ice edge, consisting of brash and scattered winter ice, was met with on the 40° meridian.

‡‡*Spitsbergen.*—An ice belt, consisting mainly of open ice, occurred from South Cape, where it was 40 miles wide to Prince Charles Foreland, where it was narrow. From there to Danes Island the sea was open. The fjords were covered with mainly firm ice, which broke up in places towards the end of the month.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 6 days visible, 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—On the 3rd open drift ice appeared at Jan Mayen from the northeast. On the 15th it packed, but on the 17th it scattered and remained open round the island until the 30th. The direction of drift was southwest. An edge of pack ice was met with on the 23rd in 72°N., 7°W. Angmagsalik there was "Storis" everywhere out at sea. The area covered was 1127 × 10^3 sq. km. compared with a normal of 1157 × 10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—Seventy-one icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 78; the southmost occurred in 41°N., and the eastmost in 45½°W. Floes were unusually abundant. In Belle Isle Strait and Cabot Strait there was much ice, even as far south as Sable Island. Off Belle Isle icebergs were numerous. On the 12th navigation opened on the St. Lawrence River to Montreal.

‡‡*Davis Strait.*—At Cape Farewell the sea was free of ice to 60 miles offshore. Towards the 30th a mass of ice was met with reaching 58°N. A belt, of normal width, consisting of scattered ice in the south, close ice in the north, extended from Sagdlet to Frederikshaab and later to Fiskernaes. The sea was open from here to Disko Bay, where the ice at Godhavn broke towards the 30th. On the 4th an open race that never freezes over was observed at the Ormen Island, to the west of which there was much old unbroken ice. No open water was visible in the Gulf of Boothia.

‡‡*Bering Sea.*—Towards the 30th much pack ice occurred in the southern part of the Okhotsk Sea and scattered ice in 47°N. right to the Kurile Islands.

‡‡ *Isforholdene i de Arktiske Have*, 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, MAY 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF MAY 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **MAY—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.			a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23 N.	156 17 W.	6·1	..	1023·7	..	265·4	276·9	29th	257·8	245·2	2nd	261·6	..	−5·0	1	— 6
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1014·4	1016·8	+ 0·8	272·0	279·8	30th	260·8	251·0	4th, 5th	266·4	*266·8*	−2·2	38	+ 24
125	Jan Mayen	70 59	W 8 18	23·1	1010·2	1013·1	..	..	275·8	26th	269·9	263·5	9th	..	271·4	..	10	..
135	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1011·7	1013·2	− 3·1	..	276·7	21st, 31st	265·9	254·7	15th	..	260·2	+1·5	24	+ 12
139	Björnöen	74 28	19 15	40·5	1005·2	1010·3	..	..	..	..	270·9	..	..	..	*272·2*	..	18	..
140	Glesvaer	71 6	25 22	6·5	1005·5	1006·3	− 8·1	..	290·6	20th	277·1	272·8	26th	..	*279·4*	+3·8	34	— 14
141	Mehavn	71 1	27 47	4·0	1006·3	1006·9	− 7·0	..	285·2	22nd	275·3	272·1	3rd	..	*277·9*	+2·6	39	— 2
142	Vardö	70 22	31 8	6·8	1006·9	1007·7	− 7·3	..	285·2	23rd	275·4	273·0	26th	..	*277·5*	+2·8	18	— 19
143	Malye Karmakouly	72 23	52 43	14·8	1011·8	1013·7	+ 0·7	274·8	286·5	21st	..	..	..	..	*271·2*	+2·3	50	+ 37
147	Waigatz	70 24	58 47	11·2	1012·3	1013·7	− 1·1	271·9	279·9	24th	266·9	257·5	9th, 10th	269·4	*269·1*	..	7	..
148	Dickson	73 30 N.	80 23 E.	13	1015·9	1017·6	..	269·3	275·8	26th	263·1	251·5	2nd	266·2	..	..	15	..

Between Latitude 70° N. and 60° N. **MAY—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1013·5	+ 2·7	274·9	282·4	27th	267·2	256·3	5th	271·1	*271·3*	−3·3	9	— 11
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1012·5	− 1·2	284·4	298·0	20th	271·8	260·8	2nd	278·1	*278·7*	−1·7	..	..
206	Rampart	65 30	150 15	122	..	..	..	283·6	296·3	29th	270·5	257·4	7th	277·1	..	−3·0	7	— 14
207	Valdez	61 7	146 16	8·2	..	1011·5	− 2·6	284·7	293·0	29th	274·6	268·6	10th	279·7	279·7	+0·4	7	— 5
208	Eagle	64 46	141 12	254	..	1013·9	+ 3·2	284·4	302·4	29th	270·9	260·8	8th	277·7	*278·3*	−2·2	43	— 15
209	Dawson	64 4	139 20	328	971·3	1010·9	− 0·9	286·9	302·4	29th	271·3	263·0	7th, 8th	279·1	..	−1·9	23	+ 2
211	Carcross	60 11	134 34	662	..	..	..	285·0	297·4	30th	270·9	264·7	10th	277·9	..	−0·5	10	— 13
212	Fort Good Hope	66 15	128 31	65·2	1012·2	1021·0	..	279·0	296·9	29th	268·2	258·0	2nd	273·6	..	..	2	— 9
213	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	26	+ 9
225	Hay River	60 51	115 57	161	994·6	1014·2	+ 0·4	281·6	302·4	30th	271·9	265·8	6th	276·7	..	−0·1	48	+ 33
226	Jacobshavn	69 13	51 2	12·6	1015·1	1016·7	+ 2·5	273·8	280·6	30th	267·2	260·7	4th	270·5	*270·9*	−1·8	23	+ 9
227	Godthaab	64 11	51 43	9·0	1011·0	1012·1	+ 0·3	277·9	283·2	22nd	271·4	266·4	5th	274·7	*274·1*	+0·4	32	— 10
229	Ivigtut	61 12	48 10	13·0	1011·8	1013·4	+ 1·6	281·2	286·1	10th	273·5	270·0	27th	277·3	*276·3*	−1·2	58	— 33
231	Angmagsalik	65 37	37 33	31·7	1011·0	1015·0	− 0·2	277·6	285·8	11th	269·3	264·9	14th	273·5	*272·8*	−1·0	58	— 8
232	Stykkisholm	65 5	22 46	25	1008·2	1011·3	− 2·3	279·7	283·5	31st	274·4	270·2	14th	277·1	*276·9*	−0·4	25	— 10
233	Vestmanno	63 24	20 17	132	993·5	1009·8	− 2·9	282·5	290·3	30th	275·7	270·1	15th	279·1	*278·0*	−0·7	58	— 22
233*a*	Grimsey	66 33	18 1	22·0	..	..	..	276·6	281·5	1st	272·3	265·7	15th	274·5	*274·3*	−0·4	11	— 3
234	Akureyri	65 40	18 5	35	..	1011·1	− 3·6	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1008·6	1010·8	− 3·1	279·8	285·5	7th	273·8	268·9	9th	276·8	*276·6*	−0·6	26	— 45
236	Thorshavn	62 3	6 45	26·3	1005·5	1008·7	− 5·7	282·0	286·4	29th	276·3	271·0	9th	279·1	*279·0*	−0·9	142	+ 57
	Lerwick	60 9	W 1 11	46·9	1005·2	1011·0	− 2·7	282·3	286·3	23rd	278·0	273·0	9th	280·2	*280·1*	−0·2	90	+ 37
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1006·2	1011·7	− 2·4	282·8	290·0	22nd	278·2	272·5	10th	280·5	*280·2*	−1·8	278	+189
238	Aalesund	62 28	6 10	0·3	1008·3	1009·1	− 4·9	..	288·8	22nd	..	..	..	..	*280·6*	−0·2	137	+ 76
239	Trondhjem	63 26	10 25	39·5	1003·3	1008·1	− 5·8	285·3	291·8	24th	277·4	270·3	10th	..	*280·9*	+0·2	58	+ 20
240	Bodö	67 17	14 24	22·3	1003·6	1006·3	− 7·7	..	287·4	18th	277·7	274·3	31st	281·3	*280·9*	+0·2	58	+ 33
241	Haparanda	65 50	24 9	9·2	1005·6	1006·7	− 7·6	282·8	287·5	17th	274·6	270·5	8th, 14th	..	*280·4*	+1·6	109	+ 58
242	Helsingfors	60 10	24 57	11·7	1008·6	1010·0	− 5·2	285·3	294·0	26th	277·6	272·6	14th	278·7	*278·4*	+1·1	64	+ 33
242*a*	Kuopio	62 54	27 40	90·3	996·6	1007·5	− 6·8	285·2	293·1	22nd	277·4	273·0	4th	281·4	*281·4*	+0·6	60	+ 15
243	Kola	68 53	33 1	6·7	1007·5	1008·3	− 6·5	281·7	291·0	22nd, 23rd	274·3	270·9	1st	281·3	*281·4*	+1·2	94	+ 53
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	278·0	*278·9*	+1·5	26	+ 3
245	Arkhangelsk	64 34	40 31	6·3	1008·0	1008·8	− 5·2	285·4	293·5	23rd	277·0	272·5	2nd	..	..	..	..	..
246	Mezen	65 50	44 16	14·9	1007·2	1009·0	− 4·7	284·4	292·6	24th	274·4	270·1	3rd, 27th	281·2	*280·9*	+2·9	78	+ 48
247	Oust-Tsylma	65 25	52 18	? 68	1001·6	1010·0	− 3·4	284·2	294·6	24th	275·6	266·8	4th	279·9	*279·5*	+3·2	52	+ 28
248	Tcherdyn	60 24	56 31	?177	989·0	1010·3	− 3·6	289·2	295·2	26th	278·8	273·5	28th	279·9	*279·4*	+4·0	63	+ 28
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	284·0	*283·7*	+2·7	91	+ 43
250	Obdorsk	66 31	66 35	23·7	1011·4	1014·4	+ 0·9	277·0	289·2	30th	269·1	254·5	10th	273·0	*272·9*	+2·2	20	+ 1
251	Sourgout	61 15	73 24	? 40	1008·4	1013·3	+ 0·2	..	290·4	31st	273·3	261·6	2nd, 3rd	..	*278·7*	+2·1	17	— 18
252	Doudinka	69 23	86 4	20	1013·9	1016·4	+ 6·0	..	282·9	26th	266·2	247·2	1st	..	*270·2*	+3·3	8	— 4
253	Touroukhansk	65 47	87 57	? 45	1011·0	1016·6	+ 3·9	..	290·6	18th	268·8	250·8	1st, 3rd	..	*275·4*	+3·6	16	— 8
254	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	98	999·9	1012·0	+ 2·8	..	285·5	26th	272·0	261·8	3rd	..	*277·1*	+0·1	12	— 11
262	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	*277·4*	−1·4	16	— 1
263																		
271																		
272																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.			a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1011·8	+ 0·6	276·3	281·9	29th	271·6	266·3	4th	273·9	..	—0·5	22	— 19
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1008·8	— 4·0	278·9	283·6	17th	274·1	271·3	5th	276·5	*276·3*	—1·2	83	— 41
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1007·8	— 3·7	282·1	286·9	sev. dates Sea Temp.	275·1	271·3	8th	278·6	*278·2*	—0·2	91	— 36
307	55°—50°N. 150°—145°W.	††51 22	††147 10	§(21)	..	1008·1	— 4·4	••	..	278·6|0·0	..	..	..	..	277·4	—1·7	..	..
309	Sitka	57 3	135 19	27·4	..	1012·5	— 2·7	285·6	298·0	28th, 31st	276·4	271·9	8th, 9th	281·0	*281·1*	—0·2	82	— 22
310	Prince Rupert	54 18	130 18	51·8	1008·8	1015·1	— 0·1	285·8	300·8	28th	277·4	273·0	8th	281·6	*281·7*	—0·2	146	+ 10
311	Barkerville	53 2	121 35	1274	868·1	1013·4	+ 1·8	284·1	296·9	31st	271·9	266·9	9th	278·0	*277·7*	—1·5	84	+ 20
312	Kamloops	50 42	120 29	385	973·4	1018·9	+ 3·2	294·1	305·8	31st	279·7	274·1	6th, 12th	286·9	*285·7*	—0·4	5	— 18
313	Calgary	51 2	114 2	1045	893·3	1011·7	+ 0·6	293·0	301·3	31st	274·7	269·7	6th	283·8	*283·1*	+1·3	10	— 49
314	Fort Chipewyan	58 42	111 10	218	986·1	1012·5	— 1·1	286·1	296·9	30th	275·4	269·1	7th	280·7	*281·6*	+0·7	46	+ 25
315	Prince Albert	53 10	105 38	442	959·0	1010·8	— 1·1	291·9	303·0	25th, 26th	279·1	273·6	7th, 18th	285·5	*285·3*	+2·7	78	+ 40
316	Qu'Appelle	50 30	103 47	645	935·0	1009·6	— 2·4	290·8	300·8	25th	279·7	275·8	4, 19, 31	285·2	*285·0*	+2·1	88	+ 31
317	Minnedosa	50 15	99 50	515	950·7	1010·7	— 2·7	291·9	300·8	26th	279·7	273·0	19th	285·8	*285·5*	+2·9	53	+ 28
318	Berens River	52 18	97 23	216	..	..	..	292·8	303·6	26th	276·6	273·0	17th	284·7	..	+5·6	65	+ 20
318a	Port Nelson	57 4	92 36	14·9	1013·9	1015·7	— 1·6	283·6	303·6	26th, 27th	271·9	265·2	11th	277·7	..	+5·3	45	— 6
319	Fort Hope	51 33	87 49	‡260	983·4	1014·5	— 1·4	290·8	301·9	23rd	276·3	269·1	7th, 30th	283·6	*284·5*	+4·8	26	— 33
320	Moose Factory	51 14	80 30	9·1	1016·8	1017·9	+ 2·8	291·3	303·0	24th, 29th	275·8	270·2	8th	283·6	..	+5·0	15	..
321	Fort George	53 50	79 5	97·5	..	..	..	283·6	297·4	17th	..	..	..	..	..	..	..	— 10
322	Mistassini Post	50 15	73 55	383	..	..	..	288·1	299·1	28th, 29th	272·3	266·3	1st, 5th	280·2	..	+2·0	43	
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	281·7	291·3	30th	272·3	261·9	2nd	277·0	..	—0·7	66	— 17
326	Belle Isle	51 53	55 23	133	994·8	1011·5	— 0·5	276·2	283·0	10th Sea Temp.	271·4	265·8	1st, 2nd	273·8	273·7	—0·6	149	+ 84
333	53°—48°N. 20°—15°W.	††50 18	††17 26	§(47–51)	..	1020·6	..	..	..	285·0|—0·1	..	..	..	..	285·7	..	..	..
333a	62°—57°N. 20°—15°W.	††58 48	††17 24	§(29)	..	..	..	..	..	281·5|—0·6	..	..	..	..	281·8	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1016·9	1018·6	+ 3·1	287·5	296·9	31st	282·0	278·0	13th	284·7	284·9	+0·7	92	+ 11
335	Aberdeen	57 10	W 2 6	26·8	1010·7	1013·9	— 0·9	287·0	295·8	31st	279·5	274·7	12th	283·2	283·4	+1·8	25	— 37
336	Greenwich	51 28	0 0	46·3	1014·4	1019·9	+ 4·2	294·1	305·8	24th	280·9	274·7	13th	287·5	287·2	+2·5	28	— 16
337	Uccle	50 48	E 4 22	100	1008·3	1020·3	+ 5·0	294·6	307·1	24th	281·3	272·6	14th	287·9	287·1	+1·8	13	— 44
338	De Bilt	52 6	5 11	3·0	1019·6	1020·0	+ 4·4	292·5	306·6	25th	279·9	271·7	3rd	286·2	286·4	+1·6	10	— 37
338a	Hamburg	53 33	9 58	40·3	1013·8	1018·7	+ 3·8	291·1	304·1	24th	281·9	274·7	12th	286·5	*286·4*	+1·5	26	— 15
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1015·0	1015·6	+ 0·5	288·5	297·2	23rd, 24th	281·3	275·3	1st	284·9	*284·8*	+1·4	24	— 20
340	Potsdam	52 23	13 4	84·9	1008·7	1018·9	+ 3·8	293·6	307·0	24th	281·2	274·5	11th	287·4	287·2	+1·5	33	— 10
340a	Uppsala	59 51	17 38	24	1006·9	1009·8	— 4·6	289·1	298·4	25th	277·7	271·9	10th	283·4	283·4	+1·1	33	— 26
341	Warsaw	52 13	21 1	133	1002·2	1018·0	+ 1·8	292·7	304·1	27th	281·4	272·0	11th	287·0	287·3	+0·9	23	— 4
342	Tartu (Dorpat)	58 23	26 43	74·5	1003·1	1012·1	— 2·2	289·3	300·4	25th	278·7	273·3	11th	284·0	283·6	+0·7	40	
343	Petrograd	59 56	30 16	4·8	1009·5	1010·1	— 4·4	286·9	296·4	25th	279·2	273·5	11th	283·0	*282·7*	+0·6	73	+ 31
344	Kiiv	50 27	30 30	183	993·2	1014·8	+ 0·3	293·5	303·2	18th	283·0	276·7	11th	288·2	*287·5*	—0·2	55	+ 40
344a	Moscow	55 50	37 33	167	992·7	1012·7	— 2·7	290·2	298·2	25th	280·3	274·2	12th	285·2	*285·3*	+0·5	89	+ 27
345	Saratov	51 33	45 57	?122	999·6	1014·1	— 1·5	294·0	297·9	22nd	283·7	280·2	14th	288·8	*288·5*	+0·6	62	+ 18
346	Kazan	55 47	49 8	79·9	1003·8	1013·4	— 2·5	293·4	300·5	25th, 26th	282·3	278·2	29th	287·8	*287·2*	+1·2	44	+ 28
347	Orenburg	51 45	55 6	109	1001·2	1014·2	— 2·3	294·0	299·7	22nd	283·1	275·7	1st	288·6	*288·3*	+0·8	63	+ 35
348	Perm	58 1	56 16	163	992·6	1012·1	— 3·0	290·2	295·3	26th	279·5	273·6	1st	284·8	*284·8*	+1·8	87	
349	Sverdlovsk	56 50	60 38	281	978·2	1011·7	— 2·7	290·7	297·4	27th	279·3	274·0	3rd	285·0	*284·8*	+1·9	76	+ 33
350	Tobolsk	58 12	68 14	108	999·8	1012·8	— 2·1	290·2	298·6	27th	279·6	268·7	5th	284·9	*284·5*	+2·4	87	+ 41
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1000·4	1013·4	— 1·5	..	300·6	29th	280·2	270·3	6th	..	*285·6*	+1·6	31	+ 26
353	Barnaoul	53 20	83 48	162	995·6	1015·1	— 0·5	290·4	301·9	31st	277·9	268·2	7th	284·2	*284·6*	+0·7	61	— 4
354	Tomsk	56 30	84 58	122	999·0	1013·8	— 0·5	..	299·8	30th	276·6	267·6	3rd	..	*282·8*	+1·7	38	
355	Minousinsk	53 43	91 41	248	984·2	1014·0	— 0·8	..	300·2	31st	276·9	268·2	4th	..	*282·6*	—1·0	66	+ 30
356	Eniseisk	58 27	92 10	77·6	1004·3	1013·8	+ 1·2	..	296·5	19th	273·8	266·2	3rd	..	*280·0*	0·0	45	+ 12
357	Irkutsk	52 16	104 19	467	957·4	1013·0	— 1·0	287·1	293·7	20th	273·0	265·3	10th	280·0	*280·5*	—0·7	11	— 2
358	Kirensk	57 47	108 7	263	981·8	1013·7	+ 2·0	..	293·2	27th	271·4	262·7	1st	..	*279·4*	—0·9	16	— 8
359	Tchita	52 2	113 30	690	..	..	..	..	..	▪	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	963·0	1008·5	+ 0·2	285·1	292·2	28th	271·0	263·0	3rd	278·0	*279·1*	—1·5	79	+ 50
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·0	1006·1	— 1·1	288·1	298·8	22nd	277·7	269·8	10th	282·9	*282·6*	—1·0	35	— 4
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	275·7	282·0	24th	272·0	269·5	13th	273·8	*273·3*	—1·9	49	— 10
369																		
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	E.															

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1010·1	1018·6	+ 1·9	289·1	301·9	31st	280·2	274·7	9th	284·7	284·1	0·0	12	— 17
412	Portland, Oregon	45 32	122 41	46·6	1013·5	1018·9	+ 1·7	292·9	307·4	31st	282·0	275·8	8th	287·4	*287·2*	+0·7	41	— 17
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	291·4	303·0	26th	277·6	271·9	11th	284·5	*284·7*	+1·4	11	— 40
414a	Salt Lake City	46 34	112 4	1253	873·4	1014·9	+ 1·4	289·3	303·0	24th	277·7	273·6	8th	283·5	*283·6*	—0·5	41	— 13
415	Cheyenne	40 46	111 54	1329	866·8	1013·5	+ 2·3	292·7	303·6	24th	281·8	274·1	9th	287·2	*287·5*	—0·4	55	+ 4
416	North Platte	41 8	104 48	1856	812·1	1012·5	+ 1·0	289·7	297·4	25th	276·1	270·8	16th	282·9	*283·0*	—0·5	51	— 10
416a	Bismarck	41 8	100 45	859	915·7	1013·9	+ 1·1	295·4	303·0	9th	281·1	274·7	4th	288·3	*288·0*	+0·5	64	— 8
417	Winnipeg	46 47	100 38	511	952·8	1012·5	— 0·7	292·9	301·3	21st	281·6	275·2	19th	287·2	*287·4*	+2·0	67	+ 5
418	Duluth	46 47	92 6	345	973·0	1014·2	— 0·3	288·4	300·2	28th	279·2	275·8	13th	283·8	*283·9*	+2·7	83	— 3
419	Port Arthur																	
420	Chicago	48 27	89 12	196	991·6	1015·1	— 0·1	289·7	302·4	28th	280·2	274·7	1st	284·9	*284·8*	+3·9	34	— 19
421	Toronto	41 53	87 37	251	984·6	1014·5	— 0·3	294·2	301·3	30th	287·2	284·1	7th	290·7	*290·6*	+3·0	81	— 10
422	New York (Central Park)	43 40	79 24	116	1001·3	1015·2	+ 0·3	294·1	300·2	31st	282·4	275·2	1st	288·3	288·1	+3·2	37	— 34
423	St. John, N.B.	40 47	73 58	47·4	1010·7	1016·3	+ 0·8	296·9	302·4	10, 26, 29	285·2	279·7	1st	291·1	290·5	+1·5	96	+ 13
424	S.W. Point, Anticosti	45 17	66 4	36·2	1010·9	1015·3	+ 1·5	287·4	296·9	29th	278·0	273·6	1st, 5th	282·7	282·2	+1·0	67	— 27
424a	Sable Island (Main Station)	43 57	60 6	7·6	1013·0	1014·1	+ 1·4	280·8	287·4	29th	275·2	269·7	1st	278·0	*278·0*	+0·7	56	— 6
425		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
426	Port aux Basques	47 35	59 10	9·1	1012·0	1013·1	— 0·3	281·3	289·7	30th	274·1	267·4	2nd	277·7	*277·6*	—0·1	99	+ 6
430	St. John's, Newfoundland	47 34	52 42	48·8	1001·3	1007·3	— 5·8	283·0	294·1	19th	275·2	269·7	4th	279·1	*278·8*	0·0	106	+ 15
435	50°—45°N. 35°—30°W.	††47 24	††32 47	§(39)	..	1009·3	..	..	..	Sea Temp. 285·2|—1·3	..	..	..	..	285·5	..	..	..
436	Madrid																	
437	Nantes	40 24	3 41	667	943·0	1018·9	+ 4·0	299·1	304·0	25th, 28th	284·9	275·1	1st	292·0	*291·3*	+3·9	18	— 22
438		47 15	W 1 34	36·5	1015·9	1020·3	+ 4·5	295·2	304·0	24th	283·2	277·4	14th	289·2	289·2	+2·6	29	— 29
438a	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1015·0	1021·0	+ 5·0	295·2	306·4	24th	281·7	274·7	6th	288·5	288·7	+2·3	35	— 16
439	Marseille	43 18	5 23	75	..	1017·8	+ 4·2	298·3	305·3	27th	285·1	278·2	1st, 2nd	291·7	*291·7*	+2·5	11	— 33
440	Zürich	47 23	8 33	493	963·1	1020·6	+ 4·9	295·3	305·6	25th	282·2	275·0	2nd	288·7	288·2	+2·2	69	— 38
440a	Rome	41 54	12 27	45·5	1013·0	1018·2	+ 3·9	298·8	304·7	26th	287·1	280·0	4th	293·0	*292·8*	+1·0	24	— 31
441	Vienna	48 15	16 22	203	995·5	1019·7	+ 5·4	292·7	299·8	25th	283·3	276·5	15th	288·0	288·1	+0·1	30	— 41
442	Budapest	47 31	19 2	130	1002·9	1018·4	+ 4·5	296·0	304·7	27th	283·2	277·7	15th	289·6	*289·8*	+1·6	15	— 57
	Sofia	42 42	23 20	550	953·6	1017·2	+ 4·8	294·3	302·3	1st	283·5	278·8	10th	288·9	*288·5*	+0·4	92	+ 5
443	Bucharest	44 25	26 6	82	1006·2	1015·9	+ 1·9	297·2	305·7	18th	284·2	280·7	4th	290·7	290·2	+0·4	92	+ 29
444	Odessa (University)	46 29	30 46	65·3	1007·6	1015·4	+ 0·5	292·1	298·5	28th	285·1	280·3	22nd	288·6	*288·4*	—0·2	29	— 2
444a	Kharkiv (University)	50 0	36 14	140	997·6	1014·2	— 1·5	295·3	302·0	2nd	283·9	275·4	13th	289·6	*289·1*	+1·6	44	0
445	Novorossiisk	44 44	37 49	37·1	1011·5	1015·9	+ 1·4	293·9	304·4	6th	285·5	279·6	16th	289·7	*289·3*	+0·8	54	+ 14
446	Tiflis	41 43	44 48	404	969·5	1015·9	+ 1·3	298·4	302·7	24th	286·1	281·2	2nd	292·3	291·9	+1·4	36	— 45
447	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 7	— 23·5	1018·0	1015·2	+ 0·7	295·2	301·1	22nd, 26th	287·0	276·9	1st	291·1	*291·3*	+1·0	17	+ 2
	Krasnovodsk	40 0	52 59	— 5·9	1016·2	1015·5	+ 1·6	299·6	307·6	31st	290·6	281·6	1st	295·1	*294·7*	+1·1	0	— 10
449	Kasalinsk																	
450	Tachkent	45 46	62 7	67	1007·1	1014·9	+ 0·1	..	..	..	..	..	..	287·1	277·0	2nd	..	*293·5*	+3·7	6	— 4
451	Naryn-skcoe	41 20	69 18	478	959·9	1014·6	+ 1·7	299·7	307·9	30th	286·4	277·3	3rd	293·0	*292·7*	—0·2	42	+ 11
452	Alma Ata	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		43 16	76 53	841	919·9	1014·6	+ 0·4	294·8	300·0	24th	284·6	276·9	4th	289·7	?*289·5*	+0·9	81	— 8
461	Moukden	41 48	123 23	43·8	1003·9	1009·1	+ 0·1	295·0	302·0	29th	282·2	274·8	12th	288·6	288·2	—0·4	82	+ 27
462	Joshin	40 40	129 11	31·9	1007·5	1011·4	+ 1·7	288·4	295·8	31st	280·5	277·1	1st, 14th	284·5	283·8	—0·3	28	— 33
463	Yuki	42 20	130 24	65·6	1002·8	1010·8	+ 1·4	286·5	296·6	27th	278·8	274·5	1st	282·7	282·2	—0·7	69	— 2
464	Vladivostok	43 7	131 55	128	995·6	1011·3	+ 1·0	283·4	293·4	28th	277·9	274·3	1st	280·7	*280·7*	—1·9	66	+ 16
465	Ochiai	47 20	142 47	27·4	1009·4	1012·8	+ 2·1	282·3	293·1	25th	272·8	268·8	5th	277·5	277·1	—1·6	71	— 6
466	Nemuro	43 20	145 35	26·7	1010·7	1014·0	+ 2·5	282·0	292·9	28th	274·7	270·5	1st	278·3	278·1	—1·4	92	— 2
466a	Syana	45 14	147 53	39·3	1009·4	1014·3	+ 2·9	280·5	293·4	30th	273·3	267·0	7th	276·9	276·7	—1·7	66	— 14
		N.	E.															

Between Latitude 40° N. and 30° N.

MAY—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
508	35°—30°N. 145°—140°W.	††32 4	††141 58	§(11)	..	1025·0	+ 0·3	..	..	Sea Temp. 291·9	+0·6	..	..	..	290·8	0·0	..	..
511	San Francisco	37 48	122 26	47·2	1010·4	1016·2	+ 0·3	292·0	303·6	14th	282·9	279·7	9th	287·4	*286·1*	+1·3	14	— 5
512	San Luis Obispo	35 18	120 39	61·3	1008·6	1016·2	0·0	295·3	308·0	13th	282·1	276·3	10th	288·7	*287·1*	+1·9	18	+ 3
513	San Diego	32 43	117 10	26·5	1011·4	1014·5	+ 0·2	291·9	300·2	13th	285·6	281·9	11th	288·7	*288·2*	—0·1	9	+ 1
514	Modena	37 48	113 54	1670	832·5	1012·2	+ 2·0	293·8	300·8	24th	275·8	266·3	11th	284·8	*284·5*	—0·2	41	+ 20
515	Santa Fé	35 41	105 57	2138	786·7	1009·5	+ 0·9	293·7	299·7	27th	278·9	270·8	11th	286·3	*286·5*	0·0	7	— 20
516	Denver	39 45	105 0	1613	836·2	1012·2	+ 0·9	293·7	301·3	26th	280·8	275·2	15th	287·3	*287·0*	+0·6	29	— 32
517	Abilene	32 23	99 40	530	951·3	1011·2	— 0·2	301·8	308·6	20th	289·3	281·9	17th	295·6	*295·1*	+0·5	136	+ 38
518	Saint Louis	38 38	90 12	173	992·9	1013·2	— 0·9	298·4	304·1	11th	289·2	285·2	19th	293·8	*293·7*	+1·8	32	— 82
519	Mobile	30 41	88 2	17·4	1011·7	1013·9	— 1·6	300·4	305·8	12th	292·3	285·8	1st	296·4	*296·2*	+0·5	211	+100
520	Nashville	36 10	86 47	166	995·4	1014·9	— 0·5	299·1	304·1	10th	289·0	282·4	1st	294·1	*293·6*	+0·9	112	+ 16
521	Charleston	32 47	79 56	14·6	1013·5	1015·2	— 0·9	299·7	306·9	13th	292·6	287·4	29th	296·1	*296·1*	+0·8	243	+157
522	Washington	38 54	77 3	34·1	1011·6	1015·6	+ 0·1	298·1	304·1	11th	286·6	278·0	1st	292·3	*292·5*	+1·5	108	+ 16
523	Bermuda	32 17	64 46	46·0	1014·9	1020·3	+ 2·4	297·4	300·2	21st, 22nd	290·8	287·4	2, 3, 11	294·1	*293·7*	—0·6	86	— 27
530	Santa Cruz (Flores)	39 27	31 9	40	1017·0	1021·4	— 0·1	293·1	295·9	12th	287·9	282·5	7th	290·5	*290·5*	+0·7	168	+ 63
531	Horta	38 32	28 38	65	1015·1	1022·3	+ 0·9	292·8	295·5	29th, 30th	287·7	283·8	9th	290·2	289·8	—0·1	52	— 32
532	Ponta Delgada	37 44	25 40	22	1020·6	1022·4	+ 1·3	292·5	294·9	31st	288·3	285·9	2nd	290·4	290·2	+0·7	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	56	— 33
533	Madeira (Funchal)	32 38	16 55	25	‡1019·3	‡1022·3	+ 3·4	293·2	295·9	31st	288·3	285·5	2nd	290·8	*290·7*	+0·2	7	— 21
535	Lisbon	38 43	9 9	95	1007·2	1018·4	+ 2·5	297·6	307·2	26th	288·4	281·3	1st	293·0	292·5	+2·9	13	— 37
535a	Melilla	35 18	2 59	8	1018·6	1019·5	+ 2·7	295·3	300·0	28th	287·5	283·6	3rd	291·4	*292·7*	—0·6	10	— 21
536	Gibraltar	36 6	5 21	16·2	1017·3	1019·2	+ 2·9	295·3	299·7	27th	287·9	281·9	1st	291·6	*291·2*	0·0	11	— 33
536a	Colomb-Béchar	31 6	1 46	786	926·3	1013·3	..	303·8	309·0	31st	288·0	280·8	2nd	295·9	*295·3*	..	1	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

MAY—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·1	1018·8	+ 3·1	298·6	305·6	25th	285·8	278·0	1st	292·2	..	+0·9	29	— 11
538	Algiers (Bouzaréah)	36 48	3 2	342	978·2	1017·2	+ 2·2	294·6	304·8	25th	287·0	277·9	2nd	290·8	290·5	+1·4	19	— 25
539	Tunis	36 48	10 10	21	1015·6	1018·1	..	299·1	307·0	14th	287·7	281·0	3rd	293·4	*292·9*	+1·9	0	— 17
539*a*	Malta	35 54	14 31	56·4	..	1017·7	+ 3·8	295·1	299·7	27th	289·4	284·1	4th	292·2	*291·3*	+0·3	0	— 7
540	Riposto	37 41	15 14	14·2	..	1019·6	+ 3·2	295·1	300·0	30th	287·6	284·2	2nd, 4th	291·3	*290·1*	−1·0	15	— 1
541	Athens	37 58	23 43	107	1003·1	1015·6	+ 2·2	297·3	305·2	18th	288·3	283·3	6th	292·8	292·5	0·0	54	+ 32
542	Alexandria	31 12	29 53	32·0	1011·5	1015·2	+ 1·8	298·7	301·0	10th	290·7	288·2	7th	294·7	*294·8*	+0·8	0	— 1
543	Nicosia (P.W.D.)	35 9	33 22	159	994·4	1012·7	+ 1·4	301·7	306·9	17th, 20th	286·9	283·0	6th, 23rd	294·3	..	+0·5	5	— 25
544	Beirut	33 54	35 28	33·7	..	1013·5	+ 0·7	298·1	305·2	4th	291·1	288·7	1st	294·6	*294·5*	+0·3	7	— 14
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	1011·0	+ 1·2	308·9	312·4	10th	294·5	286·3	1st	301·7	*301·8*	..	5	— 37
546	Lenkoran	38 46	48 52	−20·0	1018·4	1016·0	+ 1·6	..	..	..	287·2	280·6	2nd	..	*291·3*	+0·1	3	+ 11
547	Tehran	35 41	51 25	1220	..	..	..	298·7	307·2	31st	..	..	..	‡*290·1*	..	..	23	+ 2
548	Meshed	36 16	59 35	946	878·9	..	..	299·1	309·6	30th	283·9	279·2	5th	291·5	..	−0·8	35	..
549	Seistan	31 0	61 30	?	..	..	..	305·4	314·6	28th	291·3	283·7	5th	298·4	..	..	0	— 6
550	Quetta	30 11	67 3	1677	832·5	..	+ 0·7	300·2	307·2	31st	282·5	277·1	7th	291·4	*291·5*	−1·5	3	— 5
551	Peshawar	34 2	71 37	339	968·7	1006·3	+ 1·4	309·4	318·2	31st	292·9	285·9	8th	301·2	*301·0*	−0·7	18	— 15
551*a*	Lahore	31 34	74 20	214	979·9	1003·6	+ 1·0	313·1	317·6	23rd	295·3	288·2	8th	304·2	*304·1*	−0·6	4	— 53
552	Simla	31 7	77 8	2205	781·3	..	+ 1·3	295·7	298·7	24th	288·4	282·2	26th	292·1	*292·2*	+1·3	14	— 3
552*a*	Leh	34 10	77 42	3503	667·7	..	+ 0·1	290·1	293·8	6th	275·4	273·0	7th	282·7	*282·4*	−0·5	2	..
559	Hankow	30 35	114 17	37·0	1006·3	1010·6	− 0·7	299·3	308·6	8th	291·5	287·1	2nd	295·4	*295·0*	+0·2	123	— 29
560	Tientsin	39 10	117 10	5·0	1010·1	1010·7	+ 1·1	299·0	307·5	31st	285·9	281·3	9th	292·5	*291·8*	−0·7	20	— 9
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1010·9	− 0·2	297·6	304·5	19th	288·6	284·8	31st	293·1	291·9	+0·3	102	+ 13
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1004·4	1012·5	+ 0·9	293·3	304·1	28th	284·2	281·5	3, 10, 12	288·8	288·1	+0·7	54	— 24
562*a*	Nagasaki	32 44	129 52	133	996·0	1011·5	− 0·5	297·3	302·2	29th	287·5	283·3	4th	292·4	292·1	+1·2	45	— 14
563	Kyoto	35 1	135 44	42·9	1008·1	1013·2	+ 1·2	297·2	301·7	29th	284·7	280·4	24th	290·9	290·6	+1·1	63	— 47
564	Tokyo	35 41	139 46	5·8	1011·2	1011·9	− 0·2	294·8	300·2	28th	285·7	281·4	6th	290·3	289·9	+0·3	97	— 29
565	Kanayama	37 53	140 49	24·6	1011·0	1013·9	+ 2·1	292·7	301·4	28th	281·3	273·5	6th	287·0	286·6	−0·5	88	+ 19
566	Miyako	39 38	141 59	30·4	1010·1	1013·8	+ 2·2	291·0	301·7	27th	280·0	274·6	4th	285·5	285·1	−0·2	138	..
		N.	E.															

MAY—ZONE 6.

Between Latitude 30° N. and 20° N.

		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1019·6	+ 1·1	299·6	302·4	3rd	291·8	289·1	11th	295·7	*295·2*	..	62	..
605	Honolulu	21 19	157 52	11·6	1016·9	1018·2	+ 0·8	299·0	300·2	..	294·0	292·4	..	296·5	*296·3*	−0·3	23	— 25
614	La Paz	24 9	110 20	12	1008·2	1009·6	..	305·7	311·6	29th	289·5	283·0	3rd	297·6	..	..	0	— 7
615	Chihuahua	28 38	106 4	1423	858·8	1007·8	..	302·9	306·5	21st	290·6	286·0	11th, 12th	296·7	*297·5*	..	0	— 89
616	Leon	21 7	101 41	1809	819·9	1004·1	− 1·7	305·4	308·5	21st	286·9	283·2	7th	296·1	*297·1*	+0·9	13	+ 35
616*a*	Monterry	25 40	100 18	528	950·6	1008·9	+ 0·1	304·8	309·3	21st	293·5	290·0	25th	299·1	*299·3*	+0·7	65	+ 39
617	Tulancingo	20 5	98 22	2181	789·7	..	..	300·6	305·0	9th	284·2	281·0	29th, 30th	292·4	*290·6*	−0·6	30	+ 30
618	Galveston	29 18	94 50	16·5	1011·2	1013·2	− 1·0	301·0	305·2	27th	295·3	289·7	3rd	298·2	*298·0*	+1·3	125	+ 59
618*a*	New Orleans	29 57	90 4	16·2	..	1013·5	− 1·4	301·3	305·2	12th	293·3	289·7	1st	297·3	*297·2*	+0·5	146	+ 71
619	Merida, Yuc.	20 58	89 38	22	1011·0	1013·5	− 0·5	306·7	308·8	19th	296·2	295·2	1st, 30th	301·5	*300·6*	+0·3	142	+ 122
620	Havana	23 8	82 21	24·3	..	1014·4	− 0·1	302·8	306·0	17th	295·1	289·7	12th	298·9	*298·5*	0·0	240	+ 58
620*a*	Key West	24 33	81 48	6·7	1013·4	1013·9	− 0·7	302·1	304·1	17th	296·5	293·6	29th	299·3	*299·1*	+0·2	127	+ 56
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	208	..
622	Watling Island	24 6	74 26	33·5	1012·5	1016·4	+ 0·5	..	303·0	5th	..	296·9	1, 6, 13	..	*298·8*	..	..	..
633	Izaña	28 19	16 30	2367	768·9	..	..	287·7	294·5	8th	279·1	274·0	23rd	283·4	*283·3*	+1·4	4	+ 6
634	La Laguna	28 28	W16 20	547	955·3	1018·6	+ 2·3	293·4	300·8	9th	285·0	279·8	3rd	289·2	*288·6*	−0·2	23	..
641	Siwa	29 12	E 25 29	−23	1017·1	1014·4	..	305·1	309·8	3rd	287·1	282·9	6th	296·1	..	..	0	— 1
642																		
643	Cairo (Helwan)	29 52	31 20	116	999·9	1013·1	+ 1·2	304·5	310·3	25th	289·4	286·5	6th	296·9	*296·9*	−0·4	0	— 1
643*a*	Aswan	24 2	32 53	99·6	998·7	1009·9	+ 0·3	312·3	318·6	25th	294·6	290·5	1st	303·4	*302·8*	+0·4	0	— 1
644	Tor	28 14	33 37	1·9	1010·2	1010·4	+ 0·6	303·9	310·7	25th	292·5	288·1	2nd	298·2	*297·7*	+0·4	0	..
647	Bushire	28 59	50 53	4·3	1009·0	1009·6	+ 1·5	303·8	309·8	29th	296·8	291·6	4th	300·3	*299·7*	−0·7	0	— 1
648	Jask	25 44	57 47	4·0	1006·9	1007·3	+ 0·9	307·7	312·8	31st	299·3	295·9	9th	303·5	*302·9*	+0·8	0	— 1
649	Karachi	24 53	66 57	4·0	1006·0	1005·5	+ 0·7	304·5	313·4	18th	298·4	295·6	9th	301·4	*300·8*	−0·4	0	— 1
650	Jacobabad	28 17	68 29	56·7	998·2	1004·5	+ 1·8	316·4	322·1	24th	298·2	291·7	7th	307·3	*306·9*	−0·8	0	— 1
651	Jaipur	26 56	75 52	436	957·8	1004·9	+ 0·9	314·1	318·3	20th	297·7	292·5	10th	305·9	*305·4*	−0·7	8	— 15
652	Nagpur	21 8	79 5	310	971·2	1004·7	+ 0·6	316·1	318·1	21st	302·3	298·4	18th	309·2	*308·6*	+1·2	3	— 8
653	Allahabad	25 25	81 51	94·1	993·6	1003·5	+ 0·8	316·9	320·3	21st	300·6	296·9	11th	308·7	*308·3*	+1·8	3	— 8
653*a*	Darjeeling	27 3	88 18	2266	775·7	..	+ 0·5	292·3	294·9	27th	285·2	282·8	23rd	288·7	*288·8*	+1·3	133	— 84
654	Calcutta	22 36	88 23	6·4	1004·6	1005·4	+ 0·3	309·3	311·9	26th	298·9	294·7	3rd, 8th	304·1	*303·9*	+1·1	63	— 66
655	Gauhati	26 8	91 41	59·7	1001·0	1007·8	+ 0·1	305·7	309·1	29th	295·9	291·9	1st	300·8	*299·7*	+1·0	187	— 23
655*m*	Cherrapunji	25 15	91 42	1314	867·1	..	+ 0·5	296·2	299·0	27th	290·2	284·6	21st	293·2	*292·6*	+1·1	801	+ 253
655*a*	Akyab	20 11	92 56	6·1	1006·4	1007·1	− 0·3	305·4	307·8	19th	298·6	294·9	1st	302·0	*302·3*	+0·1	94	— 24
656	Mandalay	21 59	96 0	76·2	998·6	1007·1	0·0	311·9	315·3	21st	300·0	293·9	2nd	305·9	*305·6*	+1·1	10	— 142
656*a*	Tengyueh	25 2	98 33	1625	833·0	1003·8	+ 0·4	296·8	300·8	17th	286·4	283·0	1st	291·6	*291·1*	+0·3	86	— 77
657	Phu Lien	20 48	106 38	116	993·1	1006·1	− 3·9	305·0	311·8	30th	297·7	295·5	12th	301·4	*300·5*	+1·5	66	— 47
658	Moncay	21 31	107 51	9	1005·5	1006·5	− 1·0	305·1	309·9	30th	297·7	294·4	31st	301·4	*301·5*	+1·8	174	— 29
659	Hongkong	22 18	114 10	33·2	..	1008·3	− 1·0	301·5	304·9	30th	297·1	294·9	4th	299·3	298·9	+1·0	140	— 36
660	Amoy	24 27	118 4	ca.3	1007·8	1008·1	− 1·4	299·4	304·7	28th	294·9	292·4	1st	297·2	*296·9*	+0·8	145	..
661	Taihoku, Formosa	25 2	121 31	9·3	1008·2	1009·2	− 1·2	302·0	307·8	30th	294·3	290·0	31st	298·1	297·7	+0·9	190	+ 122
661*a*	Basco	20 28	121 59	18·7	1004·8	1007·2	− 1·4	305·0	?307·1	18th, 25th	298·3	295·6	8th	301·7	*302·2*	+1·9	30	+ 5
662	Naha	26 13	127 41	10·5	1008·3	1009·5	− 1·6	300·1	302·6	11th	294·2	290·3	15th	297·2	296·7	+0·7	258	+ 221
665	Titizima (Bonin Is.)	27 5	142 11	4·0	1010·9	1011·4	− 1·6	297·7	300·3	9th	293·4	291·0	30th	295·5	295·4	−0·3	426	+ 221
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

MAY—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	955·2	1010·0	..	304·3	305·5	25th	296·4	294·0	8th	300·3	*298·9*	..	3	..
716	Morelia	19 42	101 7	1923	809·9	1007·2	..	300·3	303·0	10th	287·9	285·8	26th	294·1	*293·5*	..	61	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	+ 0·6	301·1	304·4	7th	283·2	280·7	29th	292·1	291·1	+0·8	50	— 1
718	Salina Cruz	16 12	95 12	56	1004·8	1011·1	..	304·3	308·7	13th	298·7	296·8	23rd	301·5	*301·7*	+0·6	13	— 75
719	San Salvador	13 42	89 13	682	935·4	1010·7	− 0·8	305·3	308·0	1st	291·8	290·4	20th, 25th	298·5	*296·6*	−0·7	151	— 18
720	Belize	17 29	88 12	5·2	1010·8	1011·5	− 0·3	..	..	..	297·8	294·1	25th, 27th	..	‡*301·1*	+1·0	62	— 84
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·7	+ 0·3	302·3	304·5	10th	294·9	292·9	4th	298·6	*298·8*	−0·5	142	— 15
722	Port au Prince	18 33	72 20	37·4	1010·2	1014·5	+ 0·5	305·5	308·7	31st	295·4	293·1	11th	300·4	*299·9*	+0·5	62	— 176
723	Caracas	10 30	66 55	1042	899·6	1013·9	+ 1·0	299·5	301·4	5th	288·8	287·9	2, 17, 31	294·2	*292·7*	−1·3	130	+ 59
724	Montserrat	16 41	62 9	39·6	1010·9	1015·5	+ 0·6	?305·4	?308·0	30th	295·7	293·6	10th	?300·6	?*300·0*	+0·4	108	+ 9
725	Grenada (Richmond Hill)	12 5	61 46	155	‡995·8	‡1013·7	+ 0·9	301·9	303·0	8, 9, 18	296·4	295·2	1st	299·2	*298·8*	−0·2	33	— 84
	Barbados	13 8	59 36	55·2	..	1014·4	+ 0·5	302·9	303·6	16th, 25th	296·2	294·3	3rd	299·6	*299·3*	+0·3	15	— 53
731	São Vicente, C. Verde Is.	16 54	25 4	11	1013·1	1014·5	− 0·1	297·2	298·0	1, 12, 31	291·5	290·5	6, 7, 21	294·3	*295·2*	−0·4	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1009·8	1013·7	− 1·0	300·5	304·6	11th	294·3	291·8	19th	297·4	*297·6*	+0·4	0	0
733	Bathurst	13 27	16 34	1·8	..	1013·6	0·0	303·3	308·0	14th	291·8	288·6	30th	297·5	*297·3*	−0·4	6	+ 2
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	313·0	316·9	2nd	295·8	294·7	27th	304·4	..	−0·8	13	+ 1
735	Niénébalé	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
735*a*	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	30	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	313·1	316·3	1st	299·1	294·1	27th	306·1	*305·8*	+0·9	1	— 49
738	Kaduna Capital	10 32	7 25	637	943·1	1014·2	+ 0·5	305·3	308·6	4th, 15th	294·4	291·3	25, 27, 31	299·9	*299·5*	+0·5	103	— 28
739	Hadeija	12 40	10 5	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
740	Maiduguri	11 47	13 11	361	..	..	..	314·9	317·4	4th	297·8	293·6	3rd	306·3	*306·0*	+0·4	23	— 5
741	El Fasher	13 32	25 18	730	..	..	..	311·3	312·9	11, 12, 25	291·1	285·2	1st	301·2	*301·4*	..	0	..
743	El Obeid	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
743*a*	Khartoum	13 11	30 14	569	..	..	..	311·9	314·6	26th	?295·5	?290·5	2nd, 3rd	?303·7	?*303·7*	+0·8	18	+ 7
744	Port Sudan	19 37	37 13	5·5	963·6	1005·9	− 0·6	313·8	317·4	26th	297·5	292·0	1st, 3rd	305·7	*306·1*	−0·5	0	— 3
745	Berbera, Somaliland	10 22	45 2	9·5	1009·1	1009·8	+ 1·3	307·3	311·2	26th	297·6	288·3	3rd	302·4	*302·3*	+0·4	0	— 1
746	Aden	12 45	45 3	28·7	1006·5	1009·8	+ 0·5	305·6	308·3	22nd	299·9	297·3	14th	302·7	*302·0*	−0·9	0	— 3
751	Bombay	18 54	72 49	11·3	1007·7	1009·0	− 0·5	306·4	307·4	2nd	300·4	298·7	9th	303·4	302·6	+0·5	0	— 16
752	Kodaikanal	10 14	77 28	2343	.770·3	..	− 0·7	293·5	297·0	7th	285·2	283·1	10th	289·3	*288·3*	−0·1	235	+ 82
752*a*	Bangalore	12 59	77 38	920	908·7	1008·1	− 0·3	305·9	309·0	4th	293·4	291·0	8th	299·7	*298·7*	−0·2	111	+ 5
753	Madras	13 4	80 14	6·7	1005·9	1006·8	− 0·3	310·2	316·2	5th	300·3	296·7	8th	305·3	*304·6*	+0·1	8	— 17
754	Vizagapatam	17 42	83 19	11·6	1004·6	1005·8	0·0	307·1	312·1	23rd, 25th	301·3	298·6	8th	304·2	*303·6*	+0·1	2	— 52
755	Port Blair	11 40	92 40	18·0	1006·4	1008·4	− 0·4	303·7	305·8	2nd	298·3	295·7	21st	301·0	*300·4*	−0·6	290	—113
756	Rangoon	16 46	95 48	5·5	1008·0	1008·6	+ 0·2	306·1	309·1	10th, 12th	298·2	295·8	25th	302·1	*300·8*	0·0	221	— 89
757	Saigon	10 47	106 42	11	1006·7	1007·9	0·0	306·0	307·9	8th	297·6	295·5	31st	301·8	*301·3*	−0·2	83	—129
758	Nhattrang	12 15	109 12	3·6	1006·7	1007·1	− 0·3	305·8	306·7	1, 20, 25	297·1	295·3	11th	301·4	*300·8*	−0·1	0	— 60
759	Botinao	16 23	119 53	7·1	1005·3	1006·2	− 1·3	307·2	310·0	25th	299·0	297·7	1st, 24th	303·1	*302·1*	+0·4	67	—112
761	Vigan	17 34	120 23	12·2	..	1007·4	− 1·2	307·1	308·9	24th	299·0	297·6	31st	303·1	302·6	+0·9	32	—121
761*a*	Manila	14 35	120 59	14·2	..	1008·0	− 0·4	306·4	308·1	11th	296·9	295·7	19th	301·7	300·7	−0·7	246	+133
762	Ormoc	11 0	124 36	5·6	1006·8	1007·5	− 0·6	305·7	306·8	2nd	295·4	294·1	12th, 13th	300·5	*300·1*	+0·4	112	+ 24
765	Guam, Ladrone Is.	13 24	144 38	20·4	1005·8	1008·4	− 0·8	304·0	306·0	28th	297·9	296·5	13th	300·9	*300·8*	−0·3	135	+ 31
		N.	E.															

Between Latitude 10° N. and 0°.

MAY—ZONE 8.

		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·1	1010·8	..	304·6	307·2	7th	298·0	295·4	31st	301·3	*300·8*	+0·7	417	+ 47
821	Colon	9 23	79 23	11·0	..	1010·2	− 0·5	303·7	305·8	12th	297·7	295·2	23rd	300·7	*300·3*	+0·6	226	— 88
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	109	— 6
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·5	..	0·0	297·2	300·2	1st	288·7	287·0	23rd	293·0	291·8	−0·1	387	+101
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	305·7	308·0	7th	296·8	295·7	24th	301·3	*300·7*	..	117	+ 48
824	El Peru, Guayanavieja	7 19	61 49	220	986·5	1011·5	+ 0·7	302·6	304·4	1st	293·1	291·9	30th	297·8	297·2	−1·4	217	+ 84
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·7	+ 0·9	302·0	303·8	18th	297·3	296·3	6, 14, 27	299·6	*299·5*	−0·4	284	+ 1
826*a*	Paramaribo	5 49	55 9	3·7	‡1013·2	‡1013·6	+ 0·6	303·0	304·8	19th	295·7	294·1	24th	299·3	*298·8*	+0·6	301	— 5
	Cayenne	4 56	52 21	6	1013·4	1014·1	+ 2·3	301·8	304·0	12th	295·9	293·0	22nd	298·9	*297·4*	−0·7	?1334	+777
831	10°–5° N. 30°–25° W.	††7 23	††27 38	§(82–84)	..	1013·1	+ 0·7	..	..	Sea Temp. 298·9	−0·3	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	303·2	305·0	22nd	297·3	295·0	23rd	300·3	*299·9*	−0·6	83	— 77
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·3	1012·2	+ 1·0	304·2	305·8	4, 14, 30	296·7	294·7	8, 23, 27	300·4	*299·7*	−0·1	97	—194
835	Assuantsi	5 18	1 15	101	..	..	..	303·0	304·7	3, 14, 16	294·4	292·4	25th	298·7	*298·1*	..	257	..
837	Accra	5 33	W 0 12	27·0	1007·7	1010·8	..	304·1	305·2	1, 16, 17	296·7	294·7	10th	300·4	*299·9*	+0·7	141	— 3
838	Lagos	6 27	E 3 24	4·6	1009·9	1010·4	− 0·4	303·9	305·8	3rd	297·2	294·4	15th	300·6	*299·8*	−0·1	207	— 59
839	Zungeru	9 48	6 10	130	..	..	..	308·1	311·3	5th, 6th	293·5	288·6	10, 20, 27	300·8	*300·3*	−1·0	82	— 41
841	Yola	9 12	12 30	259	..	..	..	306·4	311·9	4th, 5th	..	..	..	..	‡*300·3*	−0·9	125	+ 12
	Wau	7 42	28 3	440	..	..	..	308·1	313·0	1st	294·0	290·0	28th	301·0	*301·0*	+0·9	210	+ 71
843	Malakal (Kodok)	9 35	31 37	394	965·0	1008·4	+ 0·2	308·2	312·8	1st	296·5	292·7	29th	302·4	*301·0*	+0·1	95	+ 24
843*a*	Mongalla	5 11	31 47	439	960·3	1009·0	+ 0·9	306·3	311·0	8, 10, 11	294·4	291·0	21st	300·4	?*299·0*	−0·1	87	— 50
844	Entebbe	0 5	32 29	1171	884·9	1011·4	+ 0·8	297·9	299·4	1st	290·3	288·7	3rd	294·1	*293·8*	+0·1	315	+ 99
851	Minicoy	8 17	72 49	2·1	1010·7	1010·9	+ 0·7	..	..	..	..	..	..	..	..	..	113	— 34
851*a*	Cochin	9 58	76 21	2·7	1009·9	1010·2	+ 0·4	304·0	306·2	4th	297·8	295·4	27th	300·9	*300·3*	−0·8	408	+114
852	Colombo Observatory	6 54	79 53	7·3	..	1009·6	+ 1·4	303·9	305·8	5th	297·9	294·2	9th	300·9	*300·3*	−0·3	576	+298
853	Nuwara Elija	6 59	80 46	1886	812·6	1010·0	− 0·1	294·1	297·1	5th	285·2	280·9	1st	289·7	*288·9*	+0·2	116	— 57
854	Trincomalee	8 34	81 14	30·2	..	1007·1	+ 1·6	307·2	309·9	5th	298·4	294·5	10th	302·8	*302·2*	−0·4	159	+ 96
855	Kuta Raja	5 32	95 20	7·1	..	1008·7	− 0·6	..	..	..	..	..	..	..	..	..	219	+ 65
856	Medan

MAY—ZONE 9. Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1010·2	1011·1	+ 0·5	..	..	..	..	..	..	..	*299·6*	— 1·3	77	— 31
924	Manaos	3 8	60 1	43·8	..	..	..	301·4	304·0	sev. dates	295·7	294·0	12th	298·6	*298·1*	—1·6	197	+ 39
926	Taperinha	2 30	54 20	20·0	1009·7	1012·0	+ 0·2	302·4	304·4	27th	295·7	294·4	17th	299·0	*297·9*	+0·1	307	+114
927	Turyassu	1 43	45 26	15·1	1009·6	1011·3	+ 0·1	303·3	305·1	14th	294·6	293·2	18th	299·0	*298·0*	—0·5	430	+ 15
928	Barra do Corda	5 30	45 16	81·0	1000·9	1010·2	— 0·5	303·6	305·6	7th	294·4	291·8	28th	299·0	*297·8*	+0·3	86	+145
929	Quixeramobim	5 16	39 15	207	989·8	1013·3	+ 0·8	..	..	..	296·1	294·9	16, 17, 31	..	*298·4*	—1·1	238	+ 68
930	Fernando Noronha	3 50	W32 25	106	1000·5	1012·4	— 1·1	301·3	302·2	9, 13, 14	296·8	294·3	16th	299·0	*298·8*	+0·3	341	..
939	Loanda	8 49	E13 13	59·3	..	1013·3	+ 1·4	300·2	304·2	7th	295·6	293·0	31st	297·9	297·4	+0·1	23	+ 19
940	Brazzaville	4 17	15 16	320	977·4	1013·4	+ 1·5	306·0	310·0	6th	293·9	292·0	22nd	299·9	*299·1*	+0·8	72	— 58
943	Masaka	0 21	31 47	‡1280	..	..	..	303·3	309·1	6th, 30th	..	..	..	..	*293·0*	+0·5	266	+105
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	295·8	298·0	1, 2, 16	285·8	283·0	5th	290·8	..	..	100	— 52
944*a*	Zanzibar	6 10	39 11	21·9	1013·7	1016·3	+ 0·3	300·8	303·7	1st	297·1	295·5	9th	298·9	*298·4*	—0·4	330	+ 70
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	303·0	sev. dates	297·4	294·7	17th, 18th	299·4	*299·1*	—0·9	513	— 7
947	Seychelles, Port Office	4 37	55 27	4·6	1011·5	1011·9	+ 0·1	301·8	303·4	5th	299·1	297·0	1st	300·4	*299·7*	+0·3	146	..
957	Padang	0 56	100 22	6·7	..	1010·1	— 0·2	..	..	..	..	..	..	..	..	..	171	—140
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	+ 0·1	303·6	305·9	4th	296·6	295·3	11th	300·1	299·5	0·0	71	— 77
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	+ 0·7	..	..	..	..	..	..	..	..	..	102	+ 35
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	175	+262
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	413	..
962	Amboina	3 42	128 10	4·2	..	1009·4	— 0·2	..	..	..	..	..	..	..	..	..	314	—100
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	63	—144
965	Daru	9 4	143 13	7·6	..	1011·2	+ 0·5	301·2	..	..	296·7	..	..	298·9	*298·5*	—0·6	163	—101
966	Port Moresby	9 29	147 9	39·0	..	1010·2	— 0·4	301·5	..	..	296·3	..	..	298·9	*298·5*	—1·0	95	+ 19
967	Rabaul	4 9	152 12	20·7	..	1008·5	..	305·7	306·6	20th	295·8	294·7	29th, 30th	300·7	*300·1*	+0·2	80	— 59
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	162	+ 25
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·2	1010·5	+ 0·6	304·3	305·8	29th	297·2	295·1	12th	300·7	*300·4*	+0·2	273	+170
970	Ocean Island	0 52	169 35	54·0	1002·3	1008·4	+ 0·6	303·4	304·1	23rd, 27th	297·6	295·8	6th	300·5	*299·8*	—0·3	133	— 10
		S.	E.															

MAY—ZONE 10. Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·1	+ 1·0	302·2	304·4	9th	297·3	296·0	21st	299·7	299·5	+0·7	348	+164
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·5	304·7	23rd, 24th	294·9	291·3	7th	298·2	*297·9*	+0·8	102	— 34
021	Arequipa	16 22	71 33	2451	761·7	..	+ 0·4	293·2	295·4	1st, 27th	283·1	279·7	19th	288·2	*287·4*	+0·9	0	— 1
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	284·0	281·0	11th	..	*290·0*	..	0	— 1
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	728·7	..	..	288·7	292·0	30th	276·4	274·2	29th	282·5	*283·2*	..	0	— 53
1025	Corumba	18 59	57 39	116	1000·0	1013·2	+ 1·3	302·1	306·6	3rd	291·6	284·6	10th	296·8	*296·6*	0·0	22	— 80
1026	Cuyaba	15 36	56 6	165	994·0	1012·8	+ 0·8	304·3	308·3	3rd	292·6	289·0	13th	298·4	*297·1*	—1·5	25	— 80
1027	Bello Horizonte	19 55	43 57	895	917·0	1016·3	— 0·4	298·7	302·0	7th	287·4	283·6	26th	293·1	292·9	+1·2	4	+ 5
1028	Cactite	14 3	42 37	897	916·9	1015·9	+ 0·4	298·7	303·5	8th	289·6	287·0	15th, 16th	294·2	*295·0*	+0·9	20	— 80
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·9	1014·3	— 0·1	300·9	302·7	1st	295·7	293·2	23rd	298·3	*298·2*	+0·4	213	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	— 10
1035	St. Helena	15 57	W 5 40	‡604	946·2	1015·2	+ 0·5	295·2	297·2	18th	285·9	285·2	10th	290·6	*290·0*	+0·1	86	..
1039	Mossamedes	15 12	E12 9	12·5	..	..	..	299·8	307·8	10th	286·9	281·5	31st	293·3	*292·8*	..	0	— 1
1041	Elisabethville	11 39	27 28	1236	879·9	1013·8	+ 1·0	300·8	304·4	14th	284·6	278·4	25th	292·7	..	+1·0	6	— 1
1042	Gwelo	19 28	29 48	1417	864·5	1018·8	+ 0·3	296·6	300·8	14th, 19th	281·6	276·3	24th	289·1	..	+0·5	0	— 1
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡856·0	‡1014·8	— 0·9	297·3	301·2	12th, 16th	282·5	278·6	23rd	289·9	*288·8*	+1·0	23	+ 9
1044	Zomba	15 23	35 18	955	910·6	1016·6	+ 0·6	296·2	304·1	1st	287·9	282·4	25th	292·1	*291·8*	+0·3	17	— 1
1045	Antananarivo	18 55	47 32	1400	867·8	1021·0	+ 1·7	295·2	297·8	23rd	284·9	281·7	14th	290·0	*288·9*	—0·5	14	— 1
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	205	— 1
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	83	— 1
1048	Antalaha	14 58	50 19	3	..	1012·9	..	..	..	..	..	..	..	..	..	..	..	— 1
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·7	1013·2	+ 1·5	300·6	301·9	10th	298·4	296·3	4th	299·5	*299·2*	—0·7	190	— 1
1057	Christmas Island	10 25	105 43	5·5	1007·4	1008·0	— 0·4	303·7	305·2	..	297·1	295·2	..	300·4	*299·7*	0·0	296	— 1
1061	Kupang	10 10	123 34	45·1	..	1010·2	— 0·4	304·9	307·9	14th	295·5	291·4	20th	300·2	299·5	..	0	— 1
1061*a*	Derby	17 18	123 40	16·2	1011·5	1013·5	— 0·1	305·2	307·8	4th, 6th	292·9	287·3	19th	299·0	..	+0·8	0	— 1
1062	Hall's Creek	18 13	127 46	374	972·3	1015·1	— 0·2	302·1	307·2	1st	286·4	280·9	29th	294·3	*293·7*	—0·1	4	— 1
1063	Darwin	12 28	130 51	29·6	1007·8	1011·3	+ 0·4	305·2	307·4	4th	295·4	290·8	28th	300·3	*299·1*	—0·4	72	— 1
1064	Daly Waters	16 16	133 23	211	987·7	1011·8	— 1·2	302·8	305·8	3rd, 4th	287·9	281·3	29th	295·4	*294·8*	—1·3	1	— 1
1065	Mein	13 13	142 47	122	996·4	1010·3	— 0·5	302·3	304·6	7th	290·2	282·9	30th	296·2	..	—1·7	9	— 1
1066	Georgetown, Queensland	18 22	143 32	302	979·9	1014·5	+ 0·3	302·9	305·6	5th	286·2	275·2	29th, 30th	294·6	..	—1·1	0	— 1
1066*a*	Willis Island	16 18	149 59	8·5	1011·7	1012·7	..	299·7	301·1	9, 10, 12	296·2	293·6	31st	297·9	*297·6*	..	39	— 80
1067	Samarai	10 37	150 40	15·2	..	1011·0	+ 0·2	301·4	..	..	296·0	..	..	298·7	*298·4*	—0·5	267	— 40
1072	Suva, Fiji	18 8	178 26	6·1	1012·9	1013·6	— 0·7	300·8	303·1	27th	292·4	288·7	4th	296·6	*296·3*	—1·1	214	— 10
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

MAY—ZONE 11. Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·4	301·9	7th	293·9	290·8	30th	296·6	*296·3*	+0·4	26	—137
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·6	1016·9	+ 0·2	289·1	291·4	7th	284·1	280·8	27th	286·6	*286·6*	0·0	1	— 29
1122	Iquique	20 12	70 11	9	1014·6	1015·7	+ 0·4	292·2	294·0	5th	287·1	285·3	23rd	289·7	*290·0*	—0·1	0	0
1123	Catamarca	28 27	65 47	510	935·8	1014·7	+ 1·3	295·7	303·8	2nd	282·4	277·1	27th	289·1	288·3	—0·8	61	+ 48
1124	Salta	24 46	65 28	1178	880·7	1011·8	— 2·0	293·6	300·0	22nd	280·4	274·3	12th	287·0	287·0	—0·5	9	0
1125	Goya	29 9	59 15	26	1012·1	1015·2	+ 0·7	295·5	302·0	2nd	286·0	277·0	26th	290·7	289·8	+0·5	71	+ 2
1126	Asuncion	25 21	57 37	93	1004·6	1015·5	+ 0·6	302·0	310·4	19th	287·7	278·8	26th	295·3	292·2	+0·2	109	— 8
1127	Curityba	25 25	49 17	908	915·5	1018·2	0·0	292·7	298·0	23rd	282·8	271·0	11th	287·8	*286·9*	+0·1	102	— 2
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·5	1017·6	+ 0·8	298·1	305·0	7th	292·9	290·2	30th	295·5	295·2	+0·4	35	— 46
1139	Windhoek	22 34	E17 5	1669	..	..	..	294·7	298·7	14th	282·5	276·5	30th	288·6	*288·6*	—0·2	0	— 6
1140																		
1141	Kimberley	28 42	24 47	1202	886·7	1021·8	+ 0·7	293·7	298·0	24th	277·7	271·7	17th	285·7	285·2	—0·4	9	— 11
1141*a*	Johannesburg	26 11	28 4	1806	825·6	1021·6	+ 0·7	290·4	293·6	27th	270·1	272·6	15th	284·8	*284·4*	—0·6	24	+ 5
1142	Bulawayo	20 9	28 35	1340	871·5	1018·7	+ 0·3	295·4	299·4	14th	282·5	279·2	16th	288·9	*288·1*	—0·3	23	+ 16
1143	Durban	29 52	31 3	15·2	1020·5	1022·3	+ 1·7	296·4	299·8	10th	286·9	282·8	18th	291·7	*291·1*	—0·8	205	+157
1144	Lourenço Marques	25 58	32 36	59	..	1020·7	+ 1·7	298·3	304·2	11th	288·1	283·6	18th	293·2	292·8	—0·5	51	+ 11
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	11	..
1146	Fort Dauphin	25 2	46 58	25	..	1019·8	..	..	..	..	..	..	..	..	..	..	102	+ 35
1147	Mauritius	20 6	57 33	55·2	1011·5	1018·0	+ 1·6	298·4	300·0	21st	291·3	286·9	8th	294·9	294·6	—0·7	80	+ 3
1159	Onslow	21 43	114 57	4·3	1012·8	1013·7	— 0·7	302·6	304·7	5th	287·5	282·3	10th	295·0	..	—0·2	31	— 5
1160	Cue	27 27	117 52	454	964·9	1016·9	— 0·2	294·9	301·3	27th	282·7	277·4	15th	288·8	..	—1·3	29	+ 3
1161	Nullagine	21 53	120 5	386	971·1	1015·2	— 0·6	299·9	303·2	18, 26, 28	285·4	280·8	28th, 29th	292·7	..	—0·4	58	+ 39
1162	Laverton	28 40	122 23	466	966·3	1020·2	+ 0·8	294·0	300·1	23rd	282·0	276·1	25th	288·0	*287·9*	—0·7	37	+ 12
1163	Alice Springs	23 38	133 37	587	950·4	1018·1	— 1·1	294·9	304·1	1st	280·0	275·2	19, 21, 29	287·4	*287·3*	—1·0	32	+ 15
1164	William Creek	28 55	136 21	76·2	1011·4	1020·6	+ 0·2	294·4	298·6	22nd, 25th	281·6	276·9	31st	288·0	*287·7*	—0·1	18	+ 8
1164*a*	Boulia	22 55	139 38	146	998·9	1015·9	0·0	299·7	306·4	3rd	285·6	279·2	15th, 19th	292·7	*292·6*	—0·1	0	— 11
1165	Thargomindah	27 58	143 43	123	1003·8	1018·4	+ 0·3	296·4	305·4	2nd	283·0	276·8	15th	289·7	*289·5*	—0·2	4	— 17
1166	Mitchell	26 32	147 52	336	978·3	1017·8	..	296·4	303·0	4th	278·5	272·4	28th	287·4	..	—0·3	1	— 38
1167																		
1168	Rockhampton	23 24	150 30	11·3	1014·4	1015·8	— 1·8	300·2	303·3	17th	287·0	281·3	30th	293·6	..	+0·2	4	— 37
1170	Brisbane	27 28	153 2	41·7	1012·1	1017·0	— 1·8	297·0	303·4	5th	286·3	281·2	28th	291·7	*291·1*	+0·6	97	+ 25
	Norfolk Island	29 4	167 59	15·2	1013·3	1015·0	— 2·9	294·3	296·6	15th	288·9	284·7	28th	291·6	*291·2*	0·0	255	+114
		S.	E.															

Between Latitude 30° S. and 40° S.

MAY—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1221																		
1221*a*	Juan Fernandez	33 37	78 50	10	..	..	..	290·5	293·0	10th	287·2	283·8	31st	288·9	*288·8*	—0·1	246	+ 73
1222	Punta Tumbes	36 37	73 6	120	1002·8	1017·4	+ 0·8	287·9	292·5	5th	281·3	277·0	24th, 26th	284·6	*284·4*	—0·6	37	— 50
1222*a*	Punta Angeles, Valparaiso	33 1	71 38	41	1011·6	1016·6	— 0·4	289·7	293·1	25th	282·3	278·3	26th	286·0	*285·5*	—1·4	28	— 64
1223	Santiago	33 27	70 42	520	955·9	1017·1	0·0	292·3	300·5	28th	277·1	272·5	13th	284·7	*283·6*	+0·3	24	— 41
1224	Cordoba	31 25	64 12	423	965·6	1015·2	— 0·2	293·8	298·5	..	280·4	271·4	..	287·1	286·4	+0·2	177	+151
1225	Bahia Blanca	38 45	62 15	25	1012·0	1015·1	+ 0·6	290·3	296·0	1st	280·1	275·0	25th	285·2	285·5	+1·0	11	— 18
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1013·0	1015·9	— 0·9	291·3	296·3	12th	282·1	274·1	26th	286·7	286·6	+0·8	48	— 25
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1013·8	— 1·7	290·6	295·0	17th	284·3	277·4	26th	287·4	*287·1*	—0·5	118	+ 21
1227	Porto Alegre	30 2	W51 13	23·5	1012·7	1015·5	— 2·1	294·7	299·7	19th	284·3	275·6	27th	289·5	289·1	—1·2	57	— 64
1239	Cape Town	33 56	E18 29	12·2	..	1019·9	+ 1·9	294·2	304·7	7th	283·3	278·0	16th	288·7	*287·2*	+0·8	43	— 54
1240	Danger Point	34 37	19 18	27·7	1013·2	1016·5	..	291·6	301·3	8th	284·3	279·7	23rd	287·9	..	0·0	51	— 24
1241	Riversdale	34 6	21 16	30·5	1008·8	1012·5	..	295·4	305·2	7th	278·4	273·0	28th	286·9	..	..	36	— 34
1242	East London	**	**	**	..	1020·3	+ 2·2	295·5	305·8	24th	284·8	280·2	18th	290·2	..	+0·4	88	— 3
1259	Perth (Observatory)	31 57	115 51	60·0	1012·3	1019·7	+ 1·2	293·4	299·2	11th	283·3	279·3	22nd	288·3	*288·3*	—0·6	162	+ 44
1260	Katanning	33 42	117 35	310	982·2	1019·6	+ 1·3	290·9	297·7	12th	278·8	273·8	26th	284·9	..	—1·0	54	+ 38
1261	Coolgardie	30 57	121 10	423	970·2	1019·9	+ 0·7	292·8	299·9	12th	280·4	274·2	25th	286·6	*286·5*	—0·7	20	+ 2
1262	Eucla	31 45	128 58	4·6	1018·5	1019·1	+ 0·1	292·8	299·7	21st	283·6	277·7	27th	288·2	*287·8*	—0·7	24	— 15
1263	Streaky Bay	32 48	134 13	13·1	..	1020·9	+ 0·1	292·8	296·4	22nd	284·3	279·4	18th	288·6	*288·1*	+0·7	36	— 8
1264	Adelaide	34 56	138 35	42·7	1015·7	1020·8	+ 0·7	291·8	299·2	1st	283·7	278·2	29th	287·7	*287·5*	+0·3	85	+ 13
1265	Melbourne	37 49	144 58	35·1	1016·3	1020·5	+ 1·0	289·6	298·3	1st	281·6	274·7	29th	285·6	*285·3*	+0·3	68	+ 15
1266	Bourke	30 13	145 58	110	1008·6	1021·9	0·0	295·9	304·1	3rd	282·1	277·4	29th	289·0	..	+0·6	0	+ 13
1267	Sydney	33 51	151 13	40·5	1014·4	1019·3	+ 0·8	292·5	296·7	4th	284·8	281·2	28th	288·7	..	+0·8	94	— 27
1268	Lord Howe Island	31 20	159 0	4·6	1015·6	1016·2	— 1·4	294·4	297·4	5th	..	..	..	..	..	..	199	— 36
1271	Auckland	36 50	174 50	38·1	..	1017·6	+ 2·5	289·9	292·4	1st, 9th	284·4	280·8	23, 28, 30	287·2	..	+0·5	102	+ 61
1272	Napier	39 32	176 53	21·3	..	..	..	289·2	295·8	7th, 8th	281·2	276·6	14th	285·2	..	+0·1	144	— 10
		S.	E.															+ 39

Between Latitude 40° S. and 50° S.

MAY—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1011·3	..	..	..	..	..	..	..	..	..	..	70	— 28
1321	Isla Guafo	43 34	74 45	140	999·2	1016·2	+ 4·4	284·3	287·5	4th	280·9	276·0	31st	282·6	*282·6*	+0·3	81	— 53
1322	Punta Galera	40 1	73 44	40	1013·1	1018·0	+ 3·5	285·2	288·0	12th	280·9	277·6	9th	283·1	*283·6*	—0·7	166	—159
1323	Sarmiento	45 30	69 0	274	979·0	1012·8	+ 2·6	286·5	293·8	11th	274·3	267·4	27th	280·4	281·1	+1·4	3	— 15
1324	Punta Madryn	42 49	W64 58	14	1012·4	1013·8	+ 2·6	288·9	297·2	11th	277·8	271·8	22nd	283·3	283·7	+0·2	11	— 9
1365	Launceston	41 27	E147 10	10·1	1016·6	1017·8	+ 1·2	289·3	292·2	18th, 21st	279·4	272·7	8th	284·3	*283·7*	+1·5	59	— 8
1366	Hobart	42 53	147 20	53·9	1011·2	1017·7	+ 2·1	288·0	294·1	1st	280·4	276·3	27th	284·2	*283·6*	+1·0	16	— 31
1370	Invercargill	46 25	168 21	3·7	..	..	..	285·1	289·7	7th	277·4	268·6	28th	281·3	..	+0·6	47	— 67
1371	Dunedin	45 52	170 31	91·4	..	1018·7	+ 5·5	285·5	294·7	7th	279·1	273·0	27th	282·3	..	+0·9	46	— 35
1371*a*	Christchurch	43 31	172 39	7·6	..	1018·4	+ 3·4	285·9	296·3	8th	276·9	269·9	30th	281·4	..	—0·4	25	— 42
1372	Wellington	41 16	174 46	3·1	..	1019·4	+ 4·5	288·4	291·7	13th	280·3	272·9	31st	284·3	..	—0·2	31	— 88
		S.	E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Station moved to 33° 0′ S., 27° 55′ E., 44·8m. from May 9th.

MAY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	997·4	1004·1	+ 3·8	280·6	282·8	10th, 12th	277·3	272·6	31st	278·9	*278·9*	+0·3	283	+45
1422	Puerto de Punta Arenas	53 10	70 54	28	998·3	1001·7	— 0·4	280·4	286·3	10th	276·3	270·5	31st	278·3	*278·7*	+1·6	63	+19
1423	Punta Dungeness	52 24	68 26	5	1000·6	1001·2	+ 0·7	281·0	286·4	10th	276·3	272·0	31st	278·7	*278·8*	+0·6	..	..
1424	Santa Cruz	50 11	68 21	12	1003·6	1004·6	+ 1·5	283·3	290·6	10th	274·6	268·8	1st	278·9	*279·1*	+1·0	23	..
1424*a*	Año Nuevo‡	54 39	64 8	50	..	..	..	278·8	282·2	10th	273·9	269·9	30th	276·3	*276·6*	—0·4	113	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	991·8	..	278·8*	280·2	22nd, 31st	..	..	..	...	‡*276·6*	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	996·7	999·3	— 1·7	279·2	283·6	14th	274·2	271·9	5th, 27th	276·7	277·2	—0·5	..	..
1429	S. Georgia (Cumberland Bay)	54 14	36 33	4	991·0	991·5	— 4·1	273·9	277·7	15th	267·8	264·0	6th	270·9	*271·3*	—1·8	75	—68
		S.	W.															

MAY—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	S. 60 44	W. 44 39	7	987·1	988·0	— 4·9	266·9	272·9	11th	259·3	248·5	13th	263·1	263·3	—2·4	27	— 6
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—MAY 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	ESE	5·5	ENE 2	Calm 0 SW 1	S 1 SE 2	E 3 ..	Calm 0	Calm 0 Calm 0	N 2
2	ESE	4·5	ENE 3	NW 1 SW 1	N 1 S 1	E 1 ..	SE 2	ENE 1 ENE 2	N 2
3	ESE	2·7	E 1	NW 1 SW 3	SW 1 S 1	E 2 ..	SE 4	E 3 E 2	Calm 0
4	ESE	2·7	Calm 0	W 1 W 2	S 1 S 1	NE 2 ..	ESE 2	NE 3 ENE 2	N 2
5	ESE	4·7	Calm 0	Calm 0 SW 2	S 1 S 1	NE 2 ..	Calm 0	ESE 1 SE 2	SSW 3
6	ESE	4·1	E 1	NE 1 SW 1	S 1 S 2	NE 1 ..	Calm 0	ESE 3 ESE 2	Calm 0
7	ESE	3·9	E 2	Calm 0 SW 1	S 2 S 1	NE 1 ..	..	E 3 E 1	SE 2
8	SE	3·4	Calm 0	Calm 0 Calm 0	S 1 S 2	SE 1 ..	SE 4	ENE 1 E 2	SE 1
9	ESE	5·0	ESE 1	Calm 0 SW 1	SE 1 W 1	SSE 2 ..	SE 4	E 2 E 2	SE 1
10	ESE	3·7	SE 2	NE 3 SW 1	SW 1 S 2	Calm 0 ..	SE 4	E 1 E 3	N 2
11	ESE	6·7	SE 4	Calm 0 SW 1	SE 2 S 2	N 1 ..	SE 2	E 3 E 2	SE 2
12	SE	9·2	ENE 4	N 1 SW 2	E 1 W 1	E 2 ..	SE 4	E 3 E 5	SE 2
13	SE	9·4	E 3	Calm 0 Calm 0	SW 1 N 1	ESE 3 ..	SE 4	E 3 E 3	SE 2
14	SE	7·9	E 3	Calm 0 Calm 0	SW 1 Calm 0	E 3 ..	..	E 3 E 1	N 2
15	SSE	5·3	E 3	NW 1 NE 8	S 1 SE 1	E 4 ..	SE 2	E 1 Calm 0	N 2
16	SE	6·9	E 2	Calm 0 Calm 0	S 1 S 1	E 3 ..	SE 2	Calm 0 E 2	N 2
17	SE	5·8	ESE 3	SW 1 SW 2	SE 1 SE 1	ESE 3 ..	SE 2	E 1 E 1	N 2
18	SSE	3·9	Calm 0	SW 1 SW 2	S 1 S 1	ESE 3 ..	SE 2	E 1 Calm 0	Calm 0
19	SE	3·5	ESE 3	Calm 0 Calm 0	S 1 S 1	ESE 4 ..	SE 2	E 2 E 1	SE 2
20	Calm	2·1	E 4	Calm 0 SW 1	S 1 SW 1	ESE 4 ..	..	E 3 E 3	NNE 1
21	SE	3·2	ESE 3	NE 1 Calm 0	W 1 SE 1	NE 4 ..	..	E 2 E 2	E 2
22	SE	2·9	E 3	N 1 Calm 0	S 1 S 1	ENE 4 ..	SE 2	E 1 Calm 0	N 2
23	SSE	3·7	E 4	NE 1 Calm 0	SW 1 S 2	ENE 5 ..	SE 4	SE 1 Calm 0	NNW 2
24	SE	7·7	E 2	W 1 Calm 0	W 2 W 1	ENE 3 ..	SE 2	E 1 E 1	SW 1
25	SE	11·9	E 2	Calm 0 SW 1	W 1 S 1	ENE 4 ..	SE 2	E 2 E 2	NNW 2
26	SE	11·8	SE 3	Calm 0 Calm 0	SE 1 SE 1	SE 4 ..	Calm 0	E 2 E 2	NNW 2
27	SE	10·4	S 2	NW 1 Calm 0	E 1 SW 1	ESE 5 ..	Calm 0	E 3 E 3	SE 2
28	ESE	10·0	E 1	SW 1 Calm 0	S 1 SW 1	NE 3 ..	..	ESE 5 SE 4	SE 2
29	ESE	9·5	Calm 0	NE 1 Calm 0	S 2 W 1	NE 3 ..	Calm 0	E 2 E 2	SE 0
30	ESE	8·1	SE 2	Calm 0 Calm 0	SE 1 SW 1	E 3 ..	Calm 0	E 3 E 1	N 2
31	SE	5·7	Calm 0	Calm 0 Calm 0	W 1 S 1	EbyN 4 ..	SE 2	E 1 E 1	2
Mean	..	6·1	2·0	0·6 1·0	1·1 1·2	2·8 ..	2·0	2·0 1·7	
§Resultant	130° (89)	..	100° (72)	260° (22)	185° (67)	85° (77)	135° (72)	90° (85)	50° (58)
§Normal	139° (86)	6·0	‖84° (73)	275° (18)	240° (42)	83° (79)	129° (73)	‖105° (56)	102° (52)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—MAY 1922.

‡‡*Kara Sea.*—The Samojeds reported that the ice drifted offshore in the Matotschin Strait during the first days of May.

‡‡*Barents Sea.*—In the eastern part the ice was in the same position as in April, but later the easterly gales drove it westwards away from Novaya Zemlya and it became broken. In the northern part the ice was more northerly than usual. The area covered was 895 × 10^3 sq. km. compared with a normal 981 × 10^3 sq. km.

‡‡*White Sea.*—A tongue of ice consisting of scattered winter ice and brash extended northwards to 70°N. The sea was open around Cape Kanin and to Kolguev.

‡‡*Spitsbergen.*—A belt of heavy pack ice, 50–60 miles wide and becoming wider later, extended along the west coast to Prince Charles Foreland. From there to about 80°N. the sea was free of ice. Most of the fjords were covered with firm ice, but Icefjord was open occasionally.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 6 days visible, 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—Along the meridian 4°W. an ice edge was met with between 75°N. and 78°N., and towards the 31st a wide opening was observed in the outermost part of Gael Hamkes Bay. Round Jan Mayen the sea was free of ice. At Angmagsalik there was "Storis" everywhere outside the sea. On the 5th and 11th open water was visible from Cape Dan. The area covered was 955 × 10^3 sq. km. compared with a normal of 1062 × 10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—Two hundred and forty-five icebergs were observed on the Newfoundland Banks south of the 48th parallel; the southmost occurred in 41°N. and the eastmost in 44½°W. Until about the 15th there was pack and drift ice in Cabot Strait, but later it was free of ice. Belle Isle Strait was full of heavy pack ice and many icebergs, and outside Belle Isle the conditions were similar.

‡‡*Davis Strait and Baffin Bay.*—A belt of mainly scattered ice of normal width extended along the coast from Cape Farewell to Ivigtut, and was lying offshore from there to Fiskernaes, though twice it approached the coast. From Fiskernaes northward the sea was free of ice as also was part of Disko Bay. At Upernivik the winter ice was breaking up. Landfloes extended along the coast of Melville Peninsula and in Fury and Hecla Strait, and open water occurred in the northwest of Fox Basin.

‡‡*Bering Sea.*—Bristol Bay was free of ice. The ice edge passed south of Matthews Island, being scattered near the island, packed to the west. On the route to St. Lawrence Island there were large openings in the young ice; south of this island the ice was close, but at Indian Point open water occurred.

‡‡ *Isforholdene i de Arktiske Have*, 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JUNE 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JUNE 1922

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

JUNE—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1014·5	..	274·9	280·2	27th	270·7	261·3	3rd	272·8	..	—1·7	16	+ 8
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1002·7	1005·0	— 7·0	278·8	283·3	9th	269·7	265·0	6th, 7th	274·3	*274·1*	—0·6	18	+ 5
125	Jan Mayen	70 59	W 8 18	23·1	1004·6	1007·4	..	..	281·8	21st	274·1	272·1	16th	..	275·8	..	21	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1013·9	1015·3	+ 2·4	..	285·8	30th	274·2	265·1	1st	..	276·5	+1·8	12	— 1
140	Björnöen	74 28	19 15	40·5	1009·1	1014·1	..	..	..	..	275·5	..	..	..	*277·1*	..	19	..
141	Gjesvaer	71 6	25 22	6·5	1010·5	1011·3	— 1·8	..	301·1	19th	280·7	274·1	3rd	..	*284·5*	+4·5	19	— 27
142	Mehavn	71 1	27 47	4·6	1011·5	1012·1	— 0·2	..	294·5	14th	279·3	274·2	2nd	..	*282·3*	+2·6	15	— 28
143	Vardö	70 22	31 8	6·8	1011·8	1012·6	— 0·7	..	288·0	17th	278·6	274·0	3rd	..	*280·6*	+1·9	20	— 18
147	Malye Karmakouly	72 23	52 43	14·8	1014·7	1016·5	+ 5·0	283·8	292·0	29th	..	..	..	..	*280·5*	+5·9	7	— 9
148	Waigatz	70 24	58 47	11·2	1013·2	1014·6	+ 3·2	280·7	286·3	26th	274·5	272·1	14th	277·6	*277·1*	..	11	..
153	Dickson	73 30	80 23	13	1015·4	1017·0	..	278·0	282·5	23rd	273·1	270·7	14th	275·6	..	..	8	..
		N.	E.															

Between Latitude 70° N. and 60° N. **JUNE—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1014·2	+ 2·7	280·4	286·3	23rd	275·3	271·3	3rd	277·9	*277·8*	—2·3	51	+ 19
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1015·2	+ 2·8	290·1	295·2	27th	278·9	272·4	12th, 13th	284·5	*285·1*	—2·3	31	+ 6
206	Rampart	65 30	150 15	122	..	..	..	289·4	296·3	24th	279·1	273·6	14th	284·3	..	—3·1	19	— 6
207	Valdez	61 7	146 16	8·2	..	1017·9	+ 2·5	287·6	293·6	27th	279·5	275·8	12th, 13th	283·5	*283·7*	—0·2	13	— 33
208	Eagle	64 46	141 12	254	..	1014·9	+ 4·6	292·7	300·8	9th	278·8	271·9	5th	285·8	*286·4*	+0·2	54	+ 16
209	Dawson	64 4	139 20	328	974·2	1013·1	+ 0·6	293·0	300·2	9th	277·4	271·3	5th	285·2	..	—1·5	48	+ 18
210	Carcross	60 11	134 34	662	..	..	..	290·3	296·3	1st, 2nd	276·6	269·7	5th	283·4	..	+0·1	32	+ 12
211	Fort Good Hope	66 15	128 31	65·2	1007·4	1015·6	..	290·3	300·8	24th	277·6	268·6	5th	283·9	..	..	59	+ 43
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	992·5	1011·8	+ 0·5	289·4	300·8	2nd	277·4	270·8	6th	283·4	..	+0·6	14	— 20
225	Jacobshavn	69 13	51 2	12·6	1003·4	1005·0	— 6·0	278·6	283·9	7th	272·5	266·7	5th	275·5	*275·9*	—1·8	17	— 4
226	Godthaab	64 11	51 43	9·0	1002·7	1003·8	— 5·7	279·0	282·8	21st	272·1	269·4	4th	275·5	*274·6*	—2·8	88	+ 55
227	Ivigtut	61 12	48 10	13·0	1003·9	1005·5	— 4·1	281·3	286·7	23rd	274·9	272·7	11th	278·1	*277·4*	—3·7	130	+ 53
229	Angmagsalik	65 37	37 33	31·7	1001·0	1004·9	— 8·3	281·5	285·7	23rd	273·5	270·0	13th	277·5	*277·3*	—0·6	38	— 15
231	Stykkisholm	65 5	22 46	25	1001·5	1004·6	— 6·6	284·0	287·6	14th	278·4	275·6	4th	281·2	*280·4*	—0·4	39	0
232	Westmanno	63 24	20 17	132	988·2	1004·2	— 7·8	..	..	..	277·8	276·1	1st	..	*280·5*	—0·9	100	+ 17
233	Grimsey	66 33	18 1	22·0	1001·0	1003·7	— 8·9	280·3	286·7	8th	275·8	272·2	29th	278·1	*277·5*	—1·0	32	+ 14
234	Akureyri	65 40	18 5	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1002·4	1004·6	— 7·7	283·5	289·8	14th	277·3	272·9	1st	280·4	*279·9*	—0·4	184	+119
236	Thorshavn	62 3	6 45	26·3	1004·0	1007·2	— 6·8	284·2	286·4	8th, 27th	278·6	275·5	15th	281·4	*281·4*	—0·7	89	+ 23
237	Lerwick	60 9	W 1 11	46·9	1004·5	1010·2	— 3·8	284·2	286·3	7th	279·9	278·0	1st	282·1	*281·9*	—0·7	38	— 7
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1005·3	1010·7	— 3·2	286·8	294·5	9th	281·0	277·8	1st	283·9	*283·7*	—1·8	115	+ 26
239	Aalesund	62 28	6 10	6·3	1009·1	1009·9	— 3·9	..	288·4	10th	..	..	..	..	*283·4*	—0·7	81	+ 28
240	Trondhjem	63 26	10 25	39·5	1005·1	1009·9	— 3·4	288·5	298·2	10th	280·0	274·6	15th	284·3	*283·8*	—1·2	62	+ 20
241	Bodö	67 17	14 24	22·3	1006·9	1009·6	— 3·9	..	294·4	11th	281·0	277·0	3rd	..	*283·8*	+1·0	111	+ 58
242	Haparanda	65 50	24 9	9·2	1007·0	1008·1	— 3·0	290·9	300·0	19th	282·5	275·0	4th	286·7	*286·7*	+2·2	67	+ 30
242*a*	Helsingfors	60 10	24 57	11·7	1006·6	1007·9	— 4·5	290·6	295·2	10th	283·2	277·1	3rd	286·9	*286·8*	0·0	94	+ 48
243	Kuopio	62 54	27 40	90·3	996·4	1007·1	— 5·9	292·0	299·4	19th	284·3	278·4	4th	288·2	*288·2*	+1·8	87	+ 29
244	Kola	68 53	33 1	6·7	1010·3	1011·1	— 1·7	290·4	302·5	16th	280·9	274·2	3rd	285·6	*285·9*	+4·1	28	— 2
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1007·8	1008·6	— 3·4	293·1	301·8	16th, 29th	283·3	275·3	3rd	288·2	*288·7*	+3·8	31	— 14
247	Mezen	65 50	44 16	14·9	1007·5	1009·3	— 2·8	291·4	299·0	17th	279·9	273·2	2nd	285·6	*286·6*	+3·8	47	+ 12
248	Oust-Tsylma	65 25	52 18	? 68	999·8	1007·9	— 3·7	290·9	298·4	17th	282·3	276·7	20th	286·6	*286·9*	+3·7	39	— 11
	Tcherdyn	60 24	56 31	?177	984·2	1005·1	— 4·8	293·5	298·9	29th	284·0	278·1	5th	288·8	*288·2*	+1·5	68	+ 18
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	1007·9	1010·7	— 0·4	290·7	298·5	28th	281·4	276·0	14th	286·0	*286·4*	+6·1	10	— 22
251	Sourgout	61 15	73 24	? 40	1001·4	1006·1	— 3·2	..	302·6	27th	282·9	276·6	16th	..	*289·4*	+3·8	43	— 16
252	Doudinka	69 23	86 4	20	1008·4	1010·8	+ 2·9	..	297·1	24th	278·1	273·4	4th	..	*283·1*	+5·5	6	— 28
253	Touroukhansk	65 47	87 57	? 45	1002·7	1008·1	— 1·0	..	299·0	23rd	279·8	274·2	10th	..	*286·6*	+5·2	31	— 9
254	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
261	Iakoutsk	62 1	129 43	98	991·4	1003·0	— 2·5	..	300·2	26th	281·4	273·9	11th	..	*288·0*	—0·8	31	— 6
262	Verkhoiansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263																		
271																		
272																		
		° N.	° E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1013·9	+ 1·2	280·1	284·7	28th	275·2	273·0	12th	277·7	..	−0·2	33	− 9
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1014·9	− 0·3	282·8	288·0	21st	277·5	275·2	12th, 19th	280·2	*279·9*	−0·6	46	− 20
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1017·9	+ 3·8	287·9	295·2	..	..	..	..	..	..	..	..	..
										5th Sea Temp.	278·7	275·8	3rd	283·3	*283·1*	+0·4	74	− 34
307	55°—50° N. 150°—145° W.	††51 46	††147 51	§(22)	..	1020·6	+ 5·1	..	..	281·3|+0·6	..	..	..	280·8	−0·6	..	..	..
309	Sitka	57 3	135 19	27·4	..	1019·6	+ 3·0	289·0	294·7	5th	279·7	277·4	5th	284·3	*284·3*	+0·5	28	− 52
310	Prince Rupert	54 18	130 18	51·8	1013·2	1019·5	+ 2·7	280·1	298·0	1st	280·2	277·4	5th, 11th	284·7	*284·7*	0·0	25	− 55
311	Barkerville	53 2	121 35	1274	869·8	1011·9	+ 0·6	291·9	298·0	2nd	276·3	270·2	7th	284·1	*283·7*	+1·2	34	− 28
312	Kamloops	50 42	120 29	385	971·5	1015·8	− 0·1	301·9	308·6	1st	284·7	278·0	18th	293·3	*293·1*	+2·7	3	− 25
313	Calgary	51 2	114 2	1045	894·7	1011·0	+ 1·3	297·4	305·2	3rd	280·2	273·0	6th	288·8	*288·3*	+2·3	49	− 13
314	Fort Chipewyan	58 42	111 10	218	985·8	1011·5	+ 0·4	291·2	300·8	26th	279·8	269·7	7th	285·5	*286·3*	+0·3	25	− 4
315	Prince Albert	53 10	105 38	442	959·5	1010·6	+ 1·6	296·3	303·0	3rd, 21st	281·9	274·1	7th	289·1	*289·1*	+1·5	64	− 14
316	Qu'Appelle	50 30	103 47	645	936·5	1009·9	− 0·1	296·9	304·1	4th	283·0	275·8	11th, 30th	289·9	*289·5*	+1·8	74	+ 6
317	Minnedosa	50 15	99 50	515	952·1	1011·2	− 0·3	296·9	305·8	5th, 22nd	282·4	274·7	9th, 10th	289·7	*289·4*	+1·2	141	+ 70
318	Berens River	52 18	97 23	216	..	..	..	295·4	303·6	5th	278·9	274·1	25th	287·2	..	+0·1	37	+ 7
318*a*	Port Nelson	57 4	92 36	14·9	1010·7	1012·5	− 0·8	285·2	294·7	21st	273·6	267·4	8th	279·4	..	−0·3	112	+ 35
319	Fort Hope	51 33	87 49	‡260	981·0	1011·8	− 1·7	292·4	303·6	4th, 5th	279·7	273·0	25th	286·1	*285·9*	−0·8	85	+ 3
320	Moose Factory	51 14	80 30	9·1	1012·5	1013·6	+ 0·6	293·6	‡308·6	6th	276·3	271·9	10th	284·9	..	−1·1	65	+ 1
321	Fort George	53 50	79 5	97·5	..	..	..	285·7	296·9	18th	..	..	..	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	292·7	297·4	7th	278·3	‡269·1	3rd	285·5	..	−0·1	76	+ 10
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	286·2	294·1	22nd	277·2	270·8	14th	281·7	..	−1·2	174	+ 2
326	Belle Isle	51 53	55 23	133	997·8	1014·2	+ 3·6	280·9	285·8	21st Sea Temp.	273·8	268·6	25th	277·3	*277·1*	−0·8	138	+ 9
333	53°—48° N. 20°—15° W.	††50 8	††17 25	§(34-39)	..	1020·0	..	..	..	286·6|—0·2	..	..	..	..	286·6	..	..	..
333*a*	62°—57° N. 20°—15° W.	††58 40	††17 36	§(99)	..	..	..	..	..	282·6|—0·8	..	..	..	..	282·2	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1016·7	1018·3	+ 2·3	288·7	295·2	1st	283·6	279·7	11th	286·2	286·1	−0·8	38	+ 10
335	Aberdeen	57 10	W 2 6	26·8	1008·7	1011·8	− 3·1	288·1	295·2	12th	281·1	278·0	14th	284·6	284·6	+0·2	64	− 10
336	Greenwich	51 28	0 0	46·3	1010·4	1015·9	− 0·5	294·6	301·3	1st	282·8	279·7	5th	288·7	288·2	+0·2	35	− 24
337	Uccle	50 48	E 4 22	100	1003·6	1015·5	− 0·7	295·3	302·8	2nd	283·4	277·3	18th	289·3	288·3	+0·4	124	+ 57
338	De Bilt	52 6	5 11	3·0	1014·5	1014·9	− 1·4	294·2	300·9	2nd	283·1	275·6	5th	288·7	288·2	−0·2	49	− 10
338*a*	Hamburg	53 33	9 58	40·3	1009·2	1014·0	− 1·0	292·3	298·4	9th	284·9	280·9	5th	288·6	*288·4*	−0·5	54	+ 1
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1011·9	1012·5	− 1·7	290·1	293·3	13th	284·4	281·9	5th, 19th	287·3	*287·1*	−0·6	51	− 24
340	Potsdam	52 23	13 4	84·9	1003·9	1014·0	− 1·0	295·2	302·4	9th	283·9	278·2	5th	289·5	289·2	−0·1	35	+ 2
340*a*	Uppsala	59 51	17 38	24	1005·6	1008·5	− 4·3	293·1	299·3	21st	280·8	274·3	3rd	287·0	287·2	+0·1	53	+ 3
341	Warsaw	52 13	21 1	133	997·5	1013·2	+ 0·5	295·6	302·5	29th	284·5	278·2	3rd	290·1	290·4	−0·3	14	+ 35
342	Tartu (Dorpat)	58 23	26 43	74·5	999·8	1008·7	− 4·0	292·9	298·6	18th	282·9	277·3	4th	287·9	287·4	−0·6	111	+ 59
343	Petrograd	59 56	30 16	4·8	1007·0	1007·6	− 4·9	292·1	298·9	15th	284·2	277·6	3rd	288·2	*288·0*	+0·3	108	+ 59
344	Kiiv	50 27	30 30	183	989·8	1011·1	− 1·3	296·8	302·1	19th	285·7	278·2	4th	291·2	*290·5*	+0·1	56	+ 4
344*a*	Moscow	55 50	37 33	167	988·2	1007·9	− 4·3	293·8	301·4	18th	283·5	276·1	4th	288·6	*288·5*	−0·1	105	− 1
345	Saratov	51 33	45 57	?122	994·7	1009·0	− 1·3	296·7	304·8	29th	285·4	278·1	5th	291·0	*290·8*	−1·8	37	− 23
346	Kazan	55 47	49 8	79·9	997·6	1007·0	− 4·2	296·5	303·5	22nd	285·6	278·3	6th	291·0	*290·4*	+0·0	02	− 25
347	Orenburg	51 45	55 6	109	995·9	1008·7	− 3·1	296·6	304·5	23rd	284·4	277·5	1st, 16th	290·5	*290·6*	−2·0	45	− 13
348	Perm	58 1	56 16	163	987·1	1006·3	− 4·5	293·5	302·1	23rd	284·0	276·3	5th	288·8	*288·4*	−0·1	105	− 4
349	Sverdlovsk	56 50	60 38	281	972·8	1005·7	− 4·0	293·0	301·8	23rd	283·2	277·1	5th	288·1	*288·0*	+0·2	93	+ 32
350	Tobolsk	58 12	68 14	108	993·8	1006·5	− 4·3	294·5	303·0	24th	285·3	279·7	16th	289·9	*289·4*	+0·7	93	+ 34
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	993·8	1006·4	− 3·4	..	302·9	28th	284·4	278·8	16th	..	*290·9*	+1·2	13	+ 2
353	Barnaoul	53 20	83 48	162	988·7	1007·6	− 2·1	296·5	304·8	29th	285·0	278·3	8th	290·8	*291·0*	+0·9	71	+ 2
354	Tomsk	56 30	84 58	122	991·6	1005·9	− 3·2	..	305·2	29th	283·8	278·3	15th	..	*290·2*	+2·2	68	− 12
355	Minousinsk	53 43	91 41	248	978·4	1007·1	− 1·9	..	307·5	30th	284·3	280·0	10th	..	*291·0*	+0·6	39	+ 21
356	Eniseisk	58 27	92 10	77·6	995·9	1005·1	− 2·6	..	304·6	30th	281·6	273·6	18th	..	*288·0*	−0·1	87	+ 36
357	Irkutsk	52 16	104 19	467	952·2	1006·0	− 2·8	295·3	302·6	30th	281·1	273·7	2nd	288·2	*288·3*	+0·8	84	+ 39
358	Kirensk	57 47	108 7	263	974·4	1005·2	− 2·0	..	300·7	24th	280·4	272·1	2nd	..	*287·2*	−1·2	87	+ 2
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	958·2	1002·0	− 2·1	295·5	303·8	28th	277·9	268·7	3rd	286·7	*288·3*	+1·0	106	+ 26
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	984·4	1000·8	− 4·0	297·9	305·1	29th	284·9	273·1	1st	291·4	*291·4*	+1·0	76	− 10
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	283·9	294·0	21st	278·0	273·0	1st	281·0	*279·7*	−0·1	.7	− 47
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulae employed *see* pages 106 and 107. †Estimates not based on at least six equally-spaced observations each day are in *italics* ‡*See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1008·4	1016·9	+ 0·1	291·3	298·6	19th	283·0	280·2	17th	287·2	286·3	+0·3	1	− 20
412	Portland, Oregon	45 32	122 41	46·6	1011·1	1016·6	− 0·8	297·6	304·7	19th	285·7	280·8	15th	291·6	*291·5*	+2·3	4	− 37
413	Macleod	49 44	113 24	953	..	..	..	298·7	304·7	4th, 22nd	283·3	275·2	6th	291·0	*291·2*	+3·2	41	− 24
414	Helena	46 34	112 4	1253	873·9	1013·5	+ 1·1	297·8	306·3	20th	283·2	277·4	1st	290·5	*291·0*	+1·9	66	+ 7
414*a*	Salt Lake City	40 46	111 54	1329	866·8	1011·5	+ 1·3	302·4	309·1	21st	289·1	283·6	14th	295·8	*295·8*	+2·5	21	0
415	Cheyenne	41 8	104 48	1856	815·1	1012·8	+ 1·5	298·3	306·9	22nd	283·1	271·3	1st	290·7	*290·6*	+1·4	23	− 15
416	North Platte	41 8	100 45	859	917·1	1014·2	+ 1·6	303·2	310·2	22nd	288·1	280·8	2nd	295·7	*295·5*	+2·3	22	− 58
416*a*	Bismarck	46 47	100 38	511	954·5	1013·9	+ 1·5	298·1	308·0	5th	285·9	279·7	1st	292·0	*292·0*	+1·0	82	− 3
417	Winnipeg	49 53	97 7	232	984·5	1011·5	− 0·3	298·6	308·6	5th	284·1	275·8	9th	291·3	*291·3*	+1·5	58	− 21
418	Duluth	46 47	92 6	345	973·3	1014·2	+ 1·0	294·4	306·3	23rd	282·6	278·0	25th	288·5	*287·9*	+0·9	101	− 5
419	Port Arthur	48 27	89 12	196	990·2	1013·4	− 0·8	293·0	303·6	4th	281·9	274·7	25th	287·4	*287·4*	+0·7	62	− 8
420	Chicago	41 53	87 37	251	986·0	1015·6	+ 0·9	298·4	308·0	16th	290·7	283·6	1st	294·6	*294·6*	+1·5	3	− 81
421	Toronto	43 40	79 24	116	1001·0	1014·6	− 0·1	297·4	305·8	7th	286·3	280·2	26th	291·9	291·7	+1·2	125	+ 57
422	New York (Central Park)	40 47	73 58	47·4	1009·3	1014·8	− 0·9	299·6	305·8	8th	290·6	284·1	13th	295·1	294·5	+0·4	175	+ 88
423	S.W. Point, Anticosti	49 24	63 33	9·1	1012·4	1013·5	+ 2·0	285·8	291·9	25th	280·2	276·3	13th, 14th	283·0	*283·1*	+0·5	169	+ 96
424	Sable Island (Main Station)	43 57	60 6	7·6	1016·7	1017·6	+ 2·3	287·4	290·2	20, 22, 25	282·4	279·1	11th	284·9	*284·7*	+1·5	25	− 68
425	Port aux Basques	47 35	59 10	9·1	1015·6	1016·7	+ 3·1	285·8	291·3	9th	279·7	275·8	14th	282·7	*282·5*	+0·8	139	+ 33
426	St. John's, Newfoundland	47 34	52 42	48·8	1007·3	1013·2	+ 0·4	290·8	298·6	22nd	280·8	274·7	11th	285·8	*285·7*	+2·2	82	− 8
430	50°—45° N. 35°—30° W.	††46 43	††32 20	§(24)	..	1027·2	..	..	..	Sea Temp. 288·3|+0·4	..	..	..	..	288·8			
435	Madrid	40 24	3 41	667	939·9	1015·6	+ 0·7	298·1	304·6	27th	285·7	279·9	11th	291·9	*291·3*	−0·4	92	+ 50
436	Nantes	47 15	W 1 34	36·5	1013·3	1017·7	+ 0·3	294·0	302·0	1st	284·8	280·8	30th	289·4	289·2	−0·2	63	+ 6
437																		
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·8	1016·8	− 0·5	295·3	303·0	1st	284·9	280·0	19th, 30th	290·1	290·0	+0·5	88	+ 33
438*a*	Marseille	43 18	5 23	75	..	1014·0	− 0·8	299·4	303·5	6th	287·9	284·4	16th	293·7	*292·5*	−0·2	40	+ 12
439	Zürich	47 23	8 33	493	959·3	1016·2	− 0·4	296·6	302·7	6th	284·9	280·3	14th	290·8	289·9	+0·7	142	+ 9
440	Rome	41 54	12 27	45·5	1009·2	1014·4	− 0·8	303·0	306·7	10th	290·8	287·6	15, 20, 21	296·9	*297·1*	+2·5	9	− 31
440*a*	Vienna	48 15	16 22	203	990·2	1013·9	− 0·9	295·7	300·2	1st	286·4	283·3	13th	291·1	291·1	−0·2	58	− 11
441	Budapest	47 31	19 2	130	997·5	1012·7	− 1·2	299·5	304·5	11th, 29th	287·3	283·5	6th, 9th	293·4	*293·4*	+1·6	50	+ 42
442	Sofia	42 42	23 20	550	950·8	1013·3	+ 0·2	299·1	304·9	19th	286·1	280·7	1st	292·6	*292·6*	+1·4	109	+ 28
	Bucharest	44 25	26 6	82	1002·9	1012·5	− 0·3	301·5	307·5	19th	287·3	282·4	1st	294·4	293·9	+0·4	62	− 26
443	Odessa (University)	46 29	30 46	65·3	1004·9	1012·5	− 0·5	296·5	300·6	30th	289·4	283·0	4th	293·0	*293·4*	+0·6	9	− 47
444*a*	Kharkiv (University)	50 0	36 14	140	994·7	1011·1	− 0·9	296·6	302·1	20th	285·3	278·9	4th	291·0	*290·5*	−0·3	85	+ 21
445	Novorossiisk	44 44	37 49	37·1	1008·3	1012·6	0·0	297·6	306·6	30th	289·5	282·2	5th	293·6	*293·3*	+0·3	35	− 27
446	Tiflis	41 43	44 48	404	965·5	1012·4	+ 0·6	299·8	305·1	22nd	289·1	286·0	5th	294·4	293·8	−0·5	132	+ 59
447	Astrakhan	46 21	48 2	−20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 7	− 23·5	1013·9	1011·2	+ 0·2	299·0	305·8	22nd	291·6	285·8	6th	295·3	*295·5*	−0·4	0	− 12
	Krasnovodsk	40 0	52 59	− 5·9	1010·0	1009·3	− 0·9	303·8	308·4	30th	293·6	289·7	9th	298·7	*298·0*	−0·2	6	− 4
449	Kasalinsk	45 46	62 7	67	1002·2	1010·0	+ 0·7	..	..	..	288·6	282·2	18th	..	*295·3*	−0·9	1	− 5
450	Tachkent	41 20	69 18	478	953·4	1006·7	− 0·4	306·1	310·2	23rd	290·2	285·9	7th	298·2	*297·6*	−0·1	6	− 6
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	914·3	1007·1	− 1·5	299·1	304·4	14th	287·9	282·8	19th	293·5	*293·1*	+0·3	42	− 18
461	Moukden	41 48	123 23	43·8	997·9	1002·9	− 1·3	303·1	311·8	21st	288·7	281·9	4th	295·9	295·6	+1·2	36	− 51
462	Joshin	40 40	129 11	31·9	1002·3	1006·1	− 0·4	293·1	302·7	2nd	285·3	279·1	4th	289·2	288·7	0·0	70	+ 12
463	Yuki	42 20	130 24	65·6	997·8	1005·6	− 1·6	292·2	302·5	18th	284·5	281·0	2nd	288·3	287·7	+0·2	46	− 31
464	Vladivostok	43 7	131 55	128	991·0	1006·3	− 2·0	289·4	298·1	24th	283·9	281·5	4th	286·6	*286·6*	−0·3	138	+ 68
465	Ochiai	47 20	142 47	27·4	1005·0	1008·3	− 0·4	290·1	302·2	16th	279·7	275·9	22nd	284·9	284·5	+1·0	46	− 38
466	Nemuro	43 20	145 35	26·7	1006·5	1009·7	− 0·4	286·5	294·0	28th	279·2	276·8	22nd	282·9	282·7	−0·2	101	+ 8
466*a*	Syana	45 14	147 53	39·3	1005·6	1010·4	+ 0·2	287·7	295·7	3rd	278·9	273·9	23rd	283·3	283·4	+1·1	90	+ 29
		N.	E.															

Between Latitude 40° N. and 30° N.

JUNE—ZONE 5 (Western Half).

508	35°—30° N. 145°—140° W.	††31 4	††141 29	§(9)	..	1021·3	− 2·7	..	..	Sea Temp. 290·8|—2·2	..	..	..	..	290·8	−0·6	..	..
511	San Francisco	37 48	122 26	47·2	1009·3	1015·2	+ 0·4	292·4	301·9	17th	284·7	283·0	21st	288·6	*287·4*	+1·6	7	+ 3
512	San Luis Obispo	35 18	120 39	61·3	1007·7	1015·2	+ 0·5	297·9	310·8	16th	283·4	279·7	3rd	290·7	*289·1*	+1·5	0	− 2
513	San Diego	32 43	117 10	26·5	1010·3	1013·5	+ 0·5	293·8	298·0	24th	288·1	285·8	12th	290·9	*290·5*	+0·4	0	− 2
514	Modena	37 48	113 54	1670	833·8	1011·5	+ 1·5	301·9	307·4	19th	281·5	274·1	11th	291·7	*291·4*	+1·0	6	− 3
515	Santa Fé	35 41	105 57	2138	790·0	1010·5	+ 1·5	299·8	303·6	9th	284·3	276·9	3rd	292·1	*292·6*	+0·4	19	− 11
516	Denver	39 45	105 0	1613	838·7	1012·5	+ 1·6	301·8	309·7	21st	286·9	275·8	1st	294·3	*293·9*	+1·7	5	− 29
517	Abilene	32 23	99 40	530	953·9	1013·5	+ 1·6	304·5	310·2	26th	292·6	286·9	4th	298·6	*298·6*	−0·5	46	− 23
518	Saint Louis	38 38	90 12	173	994·5	1014·5	+ 0·3	303·7	308·6	24th	293·6	286·9	3rd	298·7	*298·6*	+1·8	20	− 96
519	Mobile	30 41	88 2	17·4	1014·1	1015·9	+ 0·7	304·4	310·2	14th	295·8	291·9	2nd	300·1	*299·1*	+0·9	52	− 84
520	Nashville	36 10	86 47	166	996·8	1016·2	+ 0·6	303·1	308·0	16th	292·9	288·0	5th	298·0	*297·8*	+0·6	136	+ 29
521	Charleston	32 47	79 56	14·6	1014·7	1016·6	+ 0·1	302·9	309·1	12th	296·3	293·6	26th	299·6	*299·8*	+1·0	90	− 32
522	Washington	38 54	77 3	34·1	1010·8	1014·9	− 0·7	301·4	306·9	25th	291·8	285·8	13th	296·6	*296·6*	+1·2	104	− 1
523	Bermuda	32 17	64 46	46·0	1016·8	1022·2	+ 3·2	299·7	302·4	23, 29, 30	293·0	290·2	1, 2, 15	296·3	*296·1*	−1·3	261	+152
524	Santa Cruz (Flores)	39 27	31 9	40	1023·0	1027·5	+ 1·7	295·0	299·1	29th	289·9	287·0	6th	292·5	*292·6*	+0·1	32	− 40
530	Horta	38 32	28 38	65	1019·3	1026·5	+ 2·3	295·0	299·1	29th	289·6	286·8	3rd	292·3	291·9	−0·2	13	− 49
531	Ponta Delgada	37 44	25 40	22	1023·5	1025·3	+ 1·8	294·2	296·4	28th	288·5	287·1	4th	291·4	291·7	0·0	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	22	− 32
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1019·5	‡1022·4	+ 1·6	295·0	296·9	20th	290·6	287·9	4th	292·8	*292·9*	+0·4	0	− 9
533																		
534																		
535																		
535*a*	Lisbon	38 43	9 9	95	1005·7	1016·9	− 0·7	297·6	304·8	22nd	289·0	286·9	25th	293·3	292·9	+0·6	9	− 9
536	Mel lla	35 18	2 59	8	1015·8	1016·7	− 1·2	297·9	304·6	27th	289·9	287·6	12th	293·9	*294·9*	−1·0	49	+ 40
536*a*	Gibraltar	36 6	5 21	16·2	1014·9	1016·8	− 0·8	298·1	304·7	26th	289·8	286·9	6th	293·9	*293·3*	−0·5	16	+ 4
	Colomb-Béchar	31 6	1 46	786	923·5	1008·5	..	310·3	317·4	29th	292·5	287·0	3rd	301·4	*300·4*	..	0	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

JUNE—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1012·6	1015·3	— 2·1	299·5	303·0	6th, 7th	289·3	286·2	20th	294·4	··	—0·6	49	+ 31
538	Algiers (Bouzaréah)	36 48	3 2	342	975·8	1014·4	— 1·6	297·1	304·3	25th	289·8	287·9	18th	293·4	292·8	—0·1	3	— 19
539	Tunis	36 48	10 10	21	1012·2	1014·6	..	303·1	309·2	9th, 26th	292·3	288·4	22nd	297·7	*297·0*	+1·8	1	— 12
539*a*	Malta	35 54	14 31	56·4	..	1014·7	+ 0·2	299·5	303·6	25th	293·3	290·2	24th	296·4	*295·5*	+0·8	1	— 1
540	Riposto	37 41	15 14	14·2	..	1016·4	— 0·3	298·7	301·0	26th, 30th	292·7	290·0	1st	295·7	*294·5*	—0·2	0	— 7
541	Athens	37 58	23 43	107	999·8	1012·1	— 0·6	303·4	306·5	24th	293·3	286·4	1st	298·3	297·9	+1·0	1	— 14
542	Alexandria	31 12	29 53	32·0	1008·0	1011·7	— 1·0	301·6	308·2	20th	294·0	291·0	1st	297·8	*297·8*	+1·0	0	— 6
543	Nicosia (P.W.D.)	35 9	33 22	159	989·9	1007·6	— 1·4	306·4	311·9	20th	291·3	288·0	1st	298·9	..	+0·8	1	— 4
544	Beirut	33 54	35 28	33·7	..	1009·2	— 1·7	301·1	304·6	20th	293·9	290·3	4th	297·5	*297·4*	+0·1	0	..
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	1002·2	— 2·2	314·4	318·7	8th	299·4	296·9	2nd	306·9	*306·6*	..	0	— 19
546	Lenkoran	38 46	48 52	—20·0	1013·5	1011·2	+ 0·3	..	..	..	290·9	287·1	6th	..	*295·7*	—0·5	4	— 2
547	Tehran	35 41	51 25	1220	..	..	..	305·6	308·4	14th	..	..	..	..	‡*295·4*	..	0	— 8
548	Meshed	36 16	59 35	946	873·7	..	..	305·7	309·1	9th	288·6	283·8	21st	297·1	..	+0·9	0	..
549	Seistan	31 0	61 30	?	..	..	..	311·9	317·0	18th	298·4	296·1	1st	305·1	..	..	0	..
550	Quetta	30 11	67 3	1677	827·0	..	— 0·9	305·8	310·7	20th	288·3	283·9	10th	297·1	*296·7*	+0·3	0	— 4
551	Peshawar	34 2	71 37	339	960·2	997·0	— 1·8	315·7	321·6	19th	298·1	292·4	4th	306·9	*306·7*	+0·8	0	+ 2
551*a*	Lahore	31 34	74 20	214	973·9	997·3	— 0·9	313·0	318·5	18th	300·1	295·1	3rd	306·5	*306·3*	—0·6	11	+ 1
552	Simla	31 7	77 8	2205	777·0	..	— 0·6	294·8	298·8	19th	288·1	280·6	2nd	291·4	*291·0*	—1·5	44	+ 7
552*a*	Leh	34 10	77 42	3503	664·6	..	— 1·1	293·3	299·0	22nd	280·2	274·8	1st	286·7	*286·1*	—0·8	178	+ 71
559	Hankow	30 35	114 17	37·0	999·7	1003·9	— 1·4	304·7	309·5	9th	295·9	290·9	1st	300·3	*299·8*	+1·1	212	— 24
560	Tientsin	39 10	117 10	5·0	1002·2	1002·8	— 1·7	305·8	314·4	13th	292·8	287·5	4th	299·3	*298·6*	+1·4	34	— 39
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1004·6	— 1·7	302·8	306·3	3rd, 4th	292·9	287·7	1st	297·9	297·0	+1·0	231	+ 46
562	Jinsen (Chemulpho)	37 29	126 37	67·6	998·7	1006·5	— 0·4	298·6	305·5	22nd, 23rd	289·8	286·7	5th	294·2	293·5	+1·2	43	— 106
562*a*	Nagasaki	32 44	129 52	133	991·9	1007·2	— 1·2	299·6	303·5	15th	291·1	286·5	1st	295·3	295·0	+0·5	235	— 113
563	Kyoto	35 1	135 44	42·9	1002·7	1007·7	— 0·9	302·0	306·8	14th	288·9	279·9	1st	295·5	295·1	+1·0	122	— 25
564	Tokyo	35 41	139 46	5·8	1005·6	1006·3	— 2·9	299·6	304·1	20th	290·5	284·9	1st	295·1	294·7	+1·2	140	— 54
565	Kanayama	37 53	140 46	24·6	1005·6	1008·5	— 0·7	297·4	302·4	19th	287·6	279·4	2nd	292·5	292·1	+0·9	102	— 0
566	Miyako	39 38 N.	141 59 E.	30·4	1004·9	1008·5	— 0·8	294·8	301·7	19th	285·6	279·7	2nd	290·2	289·7	+0·7	117	— 57

JUNE—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1016·9	— 1·1	300·9	304·1	22nd	293·4	286·3	3rd	297·2	*296·7*	..	59	..
605	Honolulu	21 19	157 52	11·6	1015·7	1017·0	— 0·2	299·8	301·3	..	295·2	293·6	..	297·5	*297·3*	—0·3	11	— 17
614	La Paz	24 9	110 20	12	1007·5	1008·8	..	307·0	312·6	30th	291·7	286·6	7th	299·3	..	..	0	— 9
615	Chihuahua	28 38	106 4	1423	858·9	1006·7	..	304·4	308·5	10th, 11th	294·1	290·5	6th	299·3	*299·4*	..	41	— 60
616	Leon	21 7	101 41	1809	821·2	1007·9	+ 1·1	301·8	306·7	6th	287·8	284·8	26th	294·8	*294·2*	—1·2	49	— 84
616*a*	Monterry	25 40	100 18	528	953·1	1011·7	+ 2·1	304·1	306·8	27th	293·9	291·9	6th	299·0	*298·6*	—1·5	211	+ 33
617	Tulancingo	20 5	98 22	2180	790·7	..	..	295·8	299·0	16th	284·2	281·0	5th	290·0	*288·8*	—1·8	78	+ 13
618	Galveston	29 18	94 50	16·5	1013·5	1015·6	+ 1·0	303·0	305·8	25th	297·7	292·4	7th	300·3	*300·1*	+0·2	228	+ 25
618*a*	New Orleans	29 57	90 4	16·2	..	1015·6	+ 0·9	304·4	308·6	24th	296·9	294·1	1st	300·7	*300·4*	+0·8	164	..
619	Merida, Yuc.	20 58	89 38	22	1013·4	1015·9	+ 1·5	305·0	306·8	11th	296·3	295·4	17th	300·7	*299·9*	+0·1	133	— 55
620	Havana	23 8	82 21	24·3	..	1016·5	+ 1·1	303·8	306·1	28th	296·6	295·0	4th	300·2	*299·6*	+0·1	97	— 14
620*a*	Key West	24 33	81 48	6·7	1015·7	1016·2	+ 0·9	303·8	305·8	21st	298·0	293·6	25th	300·9	*300·7*	+0·2	96	+ 33
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	202	..
622	Watling Island	24 6	74 26	33·5	1013·5	1017·4	+ 0·6	..	303·6	24th	..	296·3	24th	..	*299·8*	..	..	..
633	Izaña	28 19	16 30	2367	769·3	..	..	289·2	298·3	30th	280·7	273·0	8th	285·0	*284·6*	—1·0	11	+ 12
634	La Laguna	28 28	W16 20	547	955·7	1018·9	+ 1·4	293·4	298·4	20th	286·0	281·6	21st	289·7	*289·1*	—1·6	17	..
641	Siwa	29 12	E 25 29	—23	1015·0	1012·3	..	309·8	317·3	16th	291·4	287·6	4th	300·6	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	997·2	1010·4	— 0·3	307·1	313·4	21st	292·5	288·3	2nd	299·8	*299·7*	—0·2	0	..
643*a*	Aswan	24 2	32 53	99·6	996·0	1007·0	— 0·5	314·6	320·8	7th	297·9	295·0	3, 4, 6	306·2	*305·8*	+0·7	..	..
644	Tor	28 14	33 37	1·9	1006·8	1007·0	0·0	305·8	313·5	17th	296·0	292·6	5th	300·9	*299·8*	+0·2	0	..
647	Bushire	28 59	50 53	4·3	998·6	999·3	— 1·6	307·6	310·3	11th	301·4	299·0	23rd	304·5	*303·8*	+1·4	0	— 0
648	Jask	25 44	57 47	4·0	995·8	996·3	— 3·8	310·2	318·1	3rd	302·6	300·6	11th	306·4	*305·7*	+1·3	0	..
649	Karachi	24 53	66 57	4·0	998·8	999·3	— 1·0	305·7	307·1	30th	301·3	300·3	7th	303·5	*302·8*	+0·2	0	— 25
650	Jacobabad	28 17	68 29	56·7	990·5	999·7	— 0·8	315·8	321·9	9th	302·7	298·2	1st	309·3	*308·8*	—1·0	0	— 1
651	Jaipur	26 56	75 52	436	952·2	999·4	— 0·6	312·1	316·1	16th	298·1	292·4	4th	306·9	*306·7*	+0·8	11	+ 1
652	Nagpur	21 8	79 5	310	967·3	1001·3	— 0·3	309·9	313·6	9th	298·8	295·9	7th	305·7	*305·0*	—0·6	67	+ 26
653	Allahabad	25 25	81 51	94·1	988·7	998·6	— 0·1	312·9	318·1	1st	300·9	295·1	3rd	306·9	*306·2*	+0·2	11	— 17
653*a*	Darjeeling	27 3	88 18	2266	771·8	..	— 1·1	291·4	293·5	10th	287·1	283·6	1st	289·3	*288·9*	+0·2	981	+ 581
654	Calcutta	22 36	88 23	6·4	998·7	999·5	— 1·3	304·6	308·1	12th	298·7	296·6	7th	301·7	*301·4*	—0·7	581	+ 281
655	Gauhati	26 8	91 41	59·7	995·2	1001·9	— 1·1	304·3	308·2	‡3th	297·8	295·3	2nd	301·1	*300·4*	—0·2	205	— 140
655*m*	Cherrapunji	25 15	91 42	1314	862·3	..	— 1·1	295·1	299·1	12th	291·8	289·5	2nd	293·4	*292·9*	+0·3	3760	+ 3711
655*a*	Akyab	20 11	92 56	6·1	1002·2	1002·9	— 1·3	302·8	305·3	22nd	297·9	296·2	8th	300·3	*300·4*	—0·4	1444	— 24
656	Mandalay	21 59	96 0	76·2	995·4	1003·9	— 0·9	309·3	312·9	1st	299·4	296·9	1st	304·3	*303·5*	+0·9	122	— 70
656*a*	Tengyueh	25 2	98 33	1625	830·7	1000·1	+ 0·6	296·4	300·2	4th	290·0	286·3	1st	293·2	*292·6*	+0·3	195	— 25
657	Phu Lien	20 48	106 38	116	989·6	1002·7	— 0·6	305·2	308·6	26th	298·3	295·0	1st	301·8	301·2	+0·2	200	— 104
658	Moncay	21 31	107 51	9	1001·9	1002·9	— 0·8	304·7	307·1	9th	298·2	292·5	1st	301·5	*301·2*	+0·5	352	— 230
659	Hongkong	22 18	114 10	33·2	..	1005·1	— 0·9	303·3	305·2	30th	299·0	295·1	1st	301·1	300·7	+0·5	160	+ 57
660	Amoy	24 27	118 4	ca.3	1004·0	1004·3	— 1·5	301·9	304·7	24, 29, 30	297·4	293·0	1st	299·7	*299·5*	—0·5	226	..
661	Taihoku, Formosa	25 2	121 31	9·3	1005·1	1006·1	— 0·7	304·0	307·9	30th	295·8	291·0	1st	299·9	299·4	—0·3	294	+ 19
661*a*	Basco	20 28	121 59	18·7	1003·2	1005·5	— 1·6	304·7	306·9	27th, 29th	298·2	295·8	7th	301·5	*302·1*	+0·7	140	+ 112
662	Naha	26 13	127 41	10·5	1006·1	1007·3	— 1·4	302·3	306·0	29th, 30th	296·8	291·2	2nd	299·5	299·2	—0·2	376	..
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1010·5	1010·9	— 1·8	300·3	303·3	29th, 30th	295·3	291·0	6th	297·8	297·6	—1·0	144	+ 34
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

JUNE—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
715	Colima	19 11	103 45	495	955·8	1010·6	..	303·1	305·2	6th	296·5	293·9	27th	299·8	*299·0*	..	163	..
716	Morelia	19 42	101 7	1923	810·8	1010·3	..	295·8	300·0	5th	287·2	284·4	30th	291·5	*291·2*	..	163	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·3	..	+ 0·7	296·3	301·2	5th	283·5	281·3	2nd	289·9	*288·6*	—1·0	127	+ 20
718	Salina Cruz	16 12	95 12	56	1005·0	1011·4	..	303·3	307·4	1st	296·5	292·4	23rd	299·9	*300·3*	—0·3	331	+ 66
719	San Salvador	13 42	89 13	682	937·1	1012·8	+ 0·9	303·1	307·4	29th	291·4	290·0	23rd	297·3	*295·7*	—0·7	448	+ 124
720	Belize	17 29	88 12	5·2	1011·2	1011·8	+ 0·1	..	..	..	295·7	293·0	4th	..	‡*298·8*	—0·6	258	— 30
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·0	+ 0·7	303·4	305·3	17th	294·9	293·4	15th	299·1	*299·3*	—0·5	143	+ 4
722	Port au Prince	18 33	72 20	37·4	1011·1	1015·4	+ 0·5	305·7	307·8	29th	295·6	293·2	17th	300·7	*299·8*	—0·6	193	+ 89
723	Caracas	10 30	66 55	1042	900·1	1014·6	+ 0·6	298·3	300·0	3rd	288·7	286·9	30th	293·5	*292·3*	—1·2	70	— 33
724	Montserrat	16 41	62 9	39·6	1011·2	1015·8	+ 0·3	304·8	309·7	12th	296·1	294·1	3rd, 4th	300·5	*299·9*	—0·1	130	+ 21
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡995·9	‡1013·9	+ 0·6	301·7	303·6	3rd	296·5	295·2	4th, 27th	299·1	*298·6*	0·0	160	— 51
725	Barbados	13 8	59 36	55·2	..	1014·6	+ 0·2	302·5	303·9	12th	296·7	294·4	9th	299·6	*299·4*	+0·3	112	+ 2
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·2	1015·5	+ 0·3	297·9	299·2	27th	292·4	292·0	sev. dates	295·1	*295·9*	—0·6	0	0
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·5	1014·3	— 1·1	300·8	303·8	22nd	295·5	294·2	19th	298·1	*298·3*	+0·2	0	0
733	Bathurst	13 27	16 34	1·8	..	1013·7	+ 0·3	305·8	308·0	11th	292·9	288·6	2nd	299·3	*299·2*	—0·3	8	— 67
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	310·3	313·6	6th	295·9	293·0	24th	303·1	..	—0·2	80	— 36
735	Niénébalé	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	45	..
735*a*	Ségou	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Sokoto	13 2	E 5 14	353	..	..	..	310·3	315·2	7th	297·6	289·7	24th	303·9	*303·4*	+0·8	80	— 23
738	Kaduna Capital	10 32	7 25	637	942·7	1014·1	— 0·2	302·2	305·2	3rd	292·2	288·6	11th	297·2	*296·6*	—0·5	172	— 24
739	Hadeija	12 40	10 5	?	..	..	..	313·4	316·9	1st	..	..	..	..	‡*304·0*	+1·1	17	— 34
740	Maiduguri	11 47	13 11	361	..	..	..	313·7	317·4	7th	298·0	295·8	16th, 23rd	305·9	*305·3*	+1·8	24	— 31
741	El Fasher	13 32	25 18	730	..	..	..	311·9	314·1	7th	293·4	290·5	12th	302·6	*302·4*	..	0	..
743	El Obeid	13 11	30 14	569	..	..	..	312·2	314·3	3rd, 11th	297·4	294·5	10th	304·8	‡*303·8*	+1·5	18	— 12
743*a*	Khartoum	15 37	32 33	390	962·8	1004·7	— 1·9	314·8	317·5	4th	300·2	297·1	20th	307·5	*307·7*	+0·6	0	— 8
744	Port Sudan	19 37	37 13	5·5	1005·1	1005·8	+ 0·1	312·9	318·0	22nd	299·1	296·1	18th	306·0	*305·2*	+0·9	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1001·6	1002·6	— 2·3	316·6	319·7	23rd	302·1	300·2	1, 4, 6	309·3	*309·3*	+0·5	0	0
746	Aden	12 45	45 3	28·7	1001·6	1004·8	— 0·4	307·7	308·8	3rd, 20th	301·8	300·7	19th	304·7	*304·4*	—0·2	0	— 2
751	Bombay	18 54	72 49	11·3	1003·3	1004·6	— 0·7	304·1	306·9	1st	299·6	297·7	21st	301·8	301·4	—0·1	673	+ 196
752	Kodaikanal	10 14	77 28	2343	768·7	..	— 0·6	291·8	294·7	16th	284·6	283·2	13th	288·2	*287·3*	+0·1	109	+ 7
752*a*	Bangalore	12 59	77 38	920	907·1	1006·9	— 0·3	302·8	305·9	16th	292·2	291·2	21st	297·5	*296·5*	+0·2	69	— 6
753	Madras	13 4	80 14	6·7	1004·3	1005·1	— 0·5	311·3	314·5	15th	300·2	296·5	1st	305·7	*305·1*	+0·7	52	+ 7
754	Vizagapatam	17 42	83 19	11·6	1000·1	1001·4	— 0·8	307·6	311·3	10th	300·9	297·2	3rd	304·3	*303·6*	+0·9	44	— 81
755	Port Blair	11 40	92 40	18·0	1004·5	1006·5	— 0·9	302·8	304·1	5th	298·1	295·3	8th	300·4	*299·7*	—0·3	506	+ 17
756	Rangoon	16 46	95 48	5·5	1005·8	1006·5	— 0·3	303·7	305·5	21st	298·1	296·7	28th	300·9	*299·8*	+0·5	460	+ 4
757	Saigon	10 47	106 42	11	1005·8	1007·0	— 0·4	304·5	306·0	2, 3, 22	296·8	294·2	22nd	300·6	*300·1*	—0·3	292	— 28
758	Nhatrang	12 15	109 12	3·6	1005·0	1005·4	— 0·5	305·5	307·0	8th	297·2	295·7	23rd	301·4	*300·9*	—0·3	54	— 2
759	Bolinao	16 23	119 53	7·1	1004·4	1005·3	— 1·2	306·2	308·5	5th	298·0	295·7	10th	302·1	*301·0*	+0·2	255	— 126
761	Vigan	17 34	120 23	12·2	..	1006·5	— 1·0	306·0	307·4	4th	298·2	297·0	20th	302·1	301·6	+0·6	213	— 83
761*a*	Manila	14 35	120 59	14·2	..	1007·5	— 0·3	305·9	308·2	3rd	297·6	296·6	25th	301·7	300·9	+0·1	146	— 89
762	Ormoc	11 0	124 36	5·6	1006·7	1007·5	— 0·4	305·4	306·9	14th	296·0	294·9	19th	300·7	*300·2*	+0·5	176	— 25
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1005·6	1008·2	— 0·8	304·1	305·5	8th, 10th	297·7	295·5	2nd	300·9	*301·1*	—0·1	164	+ 26

Between Latitude 10° N. and 0°

JUNE—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1009·7	1010·3	..	303·9	306·3	4th	298·1	295·8	17th	301·0	*300·6*	+0·2	359	+ 88
821	Colon	9 23	79 23	11·0	..	1010·8	+ 0·2	303·3	304·7	30th	297·2	295·8	4th	300·2	*299·8*	+0·5	211	— 127
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	152	+ 92
822*a*	Merida, Venez.	8 36	71 9	1641	‡842·2	..	+ 0·5	296·7	299·0	1st, 26th	288·2	286·5	23rd, 30th	292·5	*291·4*	—0·3	219	+ 24
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	304·6	305·8	15, 16, 19	296·5	295·4	18th	300·6	*300·1*	..	110	— 25
824	El Peru, Guayanavieja	7 19	61 49	220	986·0	1011·0	— 0·4	303·0	303·7	4th, 5th	292·9	289·7	30th	297·9	*297·2*	—0·5	217	+ 32
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1014·3	+ 1·0	302·0	303·0	15, 16, 24	297·0	295·8	8, 17, 21	299·5	*299·2*	—0·3	370	+ 73
826	Paramaribo	5 49	55 9	3·7	‡1014·0	‡1014·4	+ 0·6	302·5	304·9	16th	295·5	294·1	27th	299·0	*298·2*	+0·3	393	+ 94
826*a*	Cayenne	4 56	52 21	6	1012·9	1013·6	+ 0·9	302·7	304·0	sev. dates	295·6	293·0	16th	299·2	*297·2*	—0·8	536	+ 142
831	10°—5° N. 30°—25° W	††7 30	††27 4	§(65)	..	1013·9	+ 0·3	..	..	Sea Temp.	..	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	302·7	305·0	299·3]—0·2	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1005·4	1013·3	+ 1·3	303·1	305·8	8th	296·1	293·6	9, 11, 23	299·4	*299·0*	—0·4	454	— 59
835	Assuantsi	5 18	1 15	101	..	..	..	300·7	303·6	3, 4, 5	296·1	293·6	20th	299·6	*298·8*	—0·2	403	— 106
836	Accra	5 33	W 0 12	27·0	1011·0	1014·2	..	302·3	305·2	1st, 26th	294·6	292·4	24th	298·4	*297·3*	..	176	..
837	Lagos	6 27	E 3 24	4·6	1011·3	1011·8	— 0·9	302·4	304·1	1st, 3rd	296·4	294·1	11th	299·3	*298·9*	+1·0	157	— 21
838	Zungeru	9 48	6 10	130	..	..	..	305·0	308·0	2nd, 4th	296·7	294·7	9th, 25th	299·6	*298·9*	+0·3	670	+ 196
841	Yola	9 12	12 30	259	..	..	..	305·4	308·6	6th, 7th	296·7	294·7	9th, 25th	299·6	*298·9*	+0·3	670	+ 196
	Wau	7 42	28 3	440	..	..	..	306·7	309·0	6th, 7th	290·7	288·6	6, 18, 29	298·8	*297·2*	—2·2	273	+ 110
843	Malakal (Kodok)	9 35	31 37	394	965·8	1009·9	+ 0·1	304·7	311·6	11th	294·7	291·7	6th	299·7	‡*298·6*	—0·1	186	+ 50
843*a*	Mongalla	5 11	31 47	439	960·6	1009·2	— 0·1	..	..	..	293·9	292·0	30th	..	*298·8*	+0·6	75	— 42
844	Entebbe	0 5	32 29	1171	884·9	1011·4	+ 0·1	297·9	299·6	11th	289·5	288·2	15th	293·7	*293·8*	+0·3	83	— 47
851	Minicoy	8 17	72 49	2·1	1009·9	1010·1	+ 0·3	..	..	..	..	..	..	..	..	..	233	— 48
851*a*	Cochin	9 58	76 21	2·7	1009·3	1009·7	+ 0·1	301·9	304·5	16th	296·6	294·1	29th	299·3

JUNE—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
905	Malden Island	4 1	155 1	7·9	1010·0	1010·9	+ 0·6	..	..	..	..	..	..	..	*299·9*	—1·1	20	— 29
924	Manaos	3 8	60 1	43·8	..	..	..	303·0	305·0	24th	296·0	294·0	7th	299·5	*298·9*	—0·8	30	— 43
926	Taperinha	2 30	54 20	20·0	1010·1	1012·4	+ 0·1	302·7	304·6	5th	294·9	293·8	29th	298·8	*297·5*	0·0	203	..
927	Turyassu	1 43	45 26	15·1	1010·4	1012·1	— 0·1	304·0	306·0	3rd	294·4	292·2	11th	299·2	*298·4*	0·0	243	+ 30
928	Barra do Corda	5 30	45 16	81·0	1001·7	1011·1	— 0·7	304·2	306·0	19th	..	..	..	..	*297·3*	—0·2	21	+ 21
929	Quixeramobim	5 16	39 15	207	990·6	1014·1	+ 0·3	301·8	303·2	4, 8, 16	295·6	294·4	26th	298·7	*298·2*	—1·3	113	+ 74
930	Fernando Noronha	3 50	W32 25	106	1000·4	1012·2	— 1·3	300·7	301·4	2nd	296·9	293·9	15th	298·8	*298·4*	+0·6	137	— 1
939	Loanda	8 49	E13 13	59·3	..	1016·2	+ 1·5	295·8	297·5	7th	291·6	289·2	19th	293·7	293·4	—0·9	1	+ 1
940	Brazzaville	4 17	15 16	320	980·5	1017·1	+ 2·8	300·2	305·0	1st, 7th	291·2	288·0	19th, 27th	295·7	*295·1*	—0·8	85	+ 79
943	Masaka	0 21	31 47	†1280	..	..	..	302·5	306·3	21st	286·4	..	..	294·4	*292·5*	+0·2	37	— 6
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	295·8	298·0	20th	285·8	283·0	20th	290·8	..	..	2	— 34
944a	Zanzibar	6 10	39 11	21·9	1015·4	1017·9	— 0·3	300·3	301·6	20th	296·3	295·1	27th	298·3	*297·8*	—0·2	101	+ 58
945	Lamu	2 16	40 50	3·1	..	..	..	301·3	301·9	sev. dates	296·9	294·7	27th, 30th	299·1	*298·7*	—1·0	111	+ 39
947	Seychelles, Port Office	4 37	55 27	4·6	1011·4	1011·8	— 0·2	300·4	301·6	9th	298·8	297·3	18th	299·6	*298·9*	+0·6	104	— 10
957	Padang	0 56	100 22	6·7	..	1009·3	— 1·0	..	..	..	..	..	..	..	..	..	79	— 245
958	Batavia	6 11	106 50	8·0	1008·5	1009·4	— 0·4	303·6	305·3	24th	296·3	295·4	11th, 18th	300·0	299·6	+0·4	21	— 74
958a	Pontianak	0 1	109 20	2·6	..	1009·8	+ 0·4	..	..	..	..	..	..	..	..	..	189	— 33
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	144	+ 85
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	114	+ 40
962	Amboina	3 42	128 10	4·2	..	1009·8	— 0·3	..	..	..	..	..	..	..	..	..	890	+265
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	104	— 94
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1010·7	— 0·2	302·0	..	..	..	..	..	299·1	*298·7*	—0·1	21	+ 1
967	Rabaul	4 9	152 12	20·7	..	1008·4	..	305·8	307·4	1st	295·7	294·4	6th	300·7	*300·1*	+0·6	57	— 33
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	577	+178
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·1	1010·3	+ 0·2	302·9	305·0	13th	298·1	297·1	1st	300·5	*300·3*	+0·3	378	+209
970	Ocean Island	0 52	169 35	54·0	1001·4	1007·6	— 0·1	303·9	304·7	11, 22, 29	298·2	295·8	21st	301·1	*300·4*	+0·2	55	— 75
		S.	E.															

JUNE—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	+ 0·3	302·7	305·0	2nd	297·1	294·6	30th	299·9	299·6	+1·1	122	— 14
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	300·4	303·6	14th	293·6	289·7	30th	297·0	*296·8*	+0·7	93	+ 7
1021	Arequipa	16 22	71 33	2451	761·4	..	+ 0·1	292·3	295·1	17th	282·2	279·7	4th	287·2	*286·7*	+0·3	0	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·5	280·0	16th	..	*287·8*	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	727·3	..	..	288·4	291·8	3rd	276·2	271·5	16th, 30th	282·3	*282·4*	..	..	..
1025	Corumba	18 59	57 39	116	1000·6	1014·0	+ 0·4	297·1	305·4	13th	288·6	282·4	23rd	292·8	*292·6*	—1·7	67	+ 25
1026	Cuyaba	15 36	56 6	165	994·4	1013·4	0·0	303·6	307·5	26th	289·8	281·5	17th	296·7	*295·2*	—2·0	8	+ 1
1027	Bello Horizonte	19 55	43 57	895	917·5	1017·5	— 1·3	298·1	300·5	30th	285·5	280·0	15th	291·8	291·2	+1·0	11	+ 2
1028	Caetite	14 3	42 37	897	917·7	1017·1	— 0·2	298·3	304·5	8th	288·5	285·5	13th	293·4	*294·1*	+1·1	14	— 1
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·0	1015·5	— 0·9	299·5	301·7	8th	294·8	293·5	28th	297·2	*297·1*	+0·2	252	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	— 28
1035	St. Helena	15 57	W 5 40	‡604	948·8	1018·2	+ 1·9	292·9	296·3	4th	285·3	284·7	28th, 30th	289·1	*288·9*	0·0	75	..
1039	Mossamedes	15 12	E12 9	12·5	..	..	..	293·0	299·5	1st, 2nd	282·0	278·0	5th	287·5	*287·7*	..	0	..
1041	Elisabethville	11 39	27 28	1236	880·8	1016·3	+ 0·2	300·6	302·6	5th	279·3	276·4	26th	289·9	..	+0·9	0	0
1042	Gwelo	19 28	29 48	1417	865·1	1019·7	— 0·3	297·1	300·2	2nd	280·1	275·8	24th	288·6	..	+2·4	0	— 1
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡856·5	‡1016·7	— 1·5	296·2	299·4	6th	279·1	272·9	22nd, 23rd	287·7	*286·8*	+0·9	0	— 1
1044	Zomba	15 23	35 18	955	911·6	1018·1	— 0·3	296·9	302·4	18th	285·4	283·0	22, 24, 25	291·2	*290·7*	+1·0	10	— 2
1045	Antananarivo	18 55	47 32	1400	868·2	1022·8	+ 0·8	293·1	295·4	6th	282·2	279·4	24th	287·6	*286·6*	—0·5	2	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	226	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	89	..
1048	Antalaha	14 58	50 19	3	..	1015·8	..	..	..	..	..	..	..	..	..	..	..	— 79
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·1	1013·6	+ 1·6	300·6	302·4	25th	297·9	..	..	299·2	*298·9*	—0·2	162	+ 83
1057	Christmas Island	10 25	105 43	5·5	1008·0	1008·6	— 0·3	303·1	304·7	..	296·3	294·7	..	299·7	*298·9*	—0·2	237	+ 17
1061	Kupang	10 10	123 34	45·1	..	1011·0	— 0·4	303·9	305·5	12th	294·7	292·0	4th	299·3	298·8	..	28	— 5
1061a	Derby	17 18	123 40	16·2	1013·0	1015·0	+ 0·4	301·8	305·8	17th, 19th	289·9	284·6	11th	295·9	..	+0·2	6	— 5
1062	Hall's Creek	18 13	127 46	374	973·1	1016·2	— 0·1	299·6	302·4	27th	282·7	278·3	7th	291·2	*290·5*	—0·5	0	— 3
1063	Darwin	12 28	130 51	29·6	1008·5	1011·9	0·0	303·9	305·5	22nd	293·3	291·3	5th	298·6	*297·4*	—0·5	0	— 3
1064	Daly Waters	16 16	133 23	211	988·4	1012·8	— 1·4	301·5	305·8	28th	285·6	278·6	8th	293·6	*292·9*	—0·7	2	+ 3
1065	Mein	13 13	142 47	122	997·0	1011·0	— 0·6	301·6	303·3	11th	291·6	284·8	1st	296·6	..	0·0	13	..
1066	Georgetown, Queensland	18 22	143 32	302	980·1	1015·0	— 0·1	301·3	304·5	27th	285·7	279·1	12th	293·5	..	0·0	59	..
1066a	Willis Island	16 18	149 59	8·5	1012·8	1013·7	..	298·7	299·7	25th	295·4	293·6	30th	297·1	*296·8*	..	..	+166
1067	Samarai	10 37	150 40	15·2	..	1011·7	— 0·3	300·8	..	..	296·1	..	..	298·4	*298·2*	—0·1	394	+150
1072	Suva, Fiji	18 8	178 26	6·1	1014·1	1014·7	— 0·4	302·1	303·1	1st	291·6	288·7	14th	296·8	*296·6*	+0·1	46	— 15
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

JUNE—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·2	300·8	13th, 19th	293·4	288·6	7th	295·8	*295·6*	+0·9	282	+173
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·5	1018·8	+ 1·2	288·6	290·8	6th	283·1	280·2	23rd	285·9	*285·8*	+0·7	48	+ 8
1122	Iquique	20 12	70 11	9	1016·2	1017·3	+ 1·6	290·1	291·8	9th	285·6	283·9	15th	287·9	*288·4*	—0·9	0	0
1123	Catamarca	28 27	65 47	510	956·8	1017·2	+ 1·5	288·6	295·5	26th	276·5	269·7	23rd	282·5	282·0	—2·4	5	+ 1
1124	Salta	24 46	65 28	1178	879·9	1013·5	— 2·9	289·5	300·0	27th	274·5	267·0	24th	282·0	281·5	—2·9	4	+ 1
1125	Goya	29 9	59 15	26	1012·1	1015·3	— 0·5	290·4	300·9	27th	282·1	275·1	2nd	286·3	285·2	—1·5	95	+ 55
1126	Asuncion	25 21	57 37	93	1004·7	1015·8	— 0·8	294·6	307·3	28th	284·4	275·8	16th	289·5	288·4	—1·4	91	+ 22
1127	Curityba	25 25	49 17	908	914·3	1017·4	— 2·4	291·4	296·7	13th	281·3	272·1	17th	286·4	*285·6*	+0·4	113	+ 12
1128	Rio de Janeiro	22 54	W43 10	61·4	1010·2	1017·3	— 1·7	297·4	303·8	23rd	290·9	287·5	11th	294·2	293·8	+0·3	38	— 19
1139	Windhoek	22 34	E17 5	1669	..	..	..	293·2	296·8	8th	279·9	272·6	27th	286·6	*286·5*	+0·4	0	— 1
1140																		
1141	Kimberley	28 42	24 47	1202	886·8	1023·4	— 0·8	290·3	296·4	19th	275·4	267·6	27th	282·9	282·4	0·0	0.	— 6
1141a	Johannesburg	26 11	28 4	1806	825·4	1022·2	— 0·4	289·0	294·8	23rd	278·6	267·9	27th	283·8	*283·3*	+0·4	9	+ 5
1142	Bulawayo	20 9	28 35	1340	871·8	1019·0	— 0·6	296·2	299·9	6th	281·7	276·3	26th	288·9	*288·2*	+1·8	0	— 1
1143	Durban	29 52	31 3	15·2	1020·0	1021·8	— 1·0	294·9	300·6	4th	285·8	280·7	27th	290·4	*289·9*	—0·3	65	+ 36
1144	Lourenço Marques	25 58	32 36	59	..	1020·9	— 0·5	297·3	304·4	4th	286·4	281·4	16th	291·9	291·5	+0·2	45	+ 31
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	1	..
1146	Fort Dauphin	25 2	46 58	25	..	1022·2	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1012·6	1019·1	+ 0·1	296·9	298·8	9th	289·4	286·1	25th	293·1	292·9	—0·7	24	— 47
1159	Onslow	21 43	114 57	4·3	1015·0	1015·9	+ 0·5	299·1	302·9	3rd	284·7	278·7	29th	291·9	..	0·0	0	— 45
1160	Cue	27 27	117 52	454	965·8	1018·8	+ 0·7	290·8	297·2	5th	280·6	274·7	26th	285·7	..	+0·9	25	— 9
1161	Nullagine	21 53	120 5	386	972·5	1017·3	— 0·1	295·3	300·8	18th	283·4	277·2	15th	289·4	..	—0·1	10	— 16
1162	Laverton	28 40	122 23	466	966·6	1021·3	+ 1·2	290·2	295·2	20th	280·3	272·4	26th, 27th	285·2	*285·1*	+0·1	27	+ 3
1163	Alice Springs	23 38	133 37	587	950·2	1018·6	— 1·3	291·1	297·4	8th, 25th	277·7	273·0	23rd	284·4	*284·1*	—1·0	23	+ 8
1164	William Creek	28 55	136 21	76·2	1010·1	1019·4	— 0·5	291·6	296·9	8th	278·1	273·6	6th, 7th	284·8	*284·5*	—0·4	4	— 12
1165a	Boulia	22 55	139 38	146	998·7	1016·0	— 0·8	296·5	301·6	25th	281·9	276·1	8th	289·2	*288·9*	+0·6	18	+ 5
1166	Thargomindah	27 58	143 43	123	1003·2	1018·0	— 0·4	292·7	296·9	10th	280·0	274·7	6th	286·3	*286·0*	—0·2	0	— 22
1167	Mitchell	26 32	147 52	336	978·4	1018·4	..	292·8	298·6	26th	276·7	269·7	7th, 8th	284·8	..	—0·3	53	+ 10
1168	Rockhampton	23 24	150 30	11·3	1015·7	1016·9	— 0·9	297·2	301·1	5th, 27th	284·8	278·1	8th	291·0	..	+0·4	46	— 7
1169	Brisbane	27 28	153 2	41·7	1013·2	1018·2	+ 0·2	294·1	298·8	27th	284·4	279·2	9th	289·2	*288·7*	+0·5	61	— 6
1170	Norfolk Island	29 4	167 59	15·2	1015·4	1017·0	— 0·1	292·4	295·2	2nd	288·4	283·3	28th	290·4	*290·0*	+0·2	153	+ 3
		S.	E.															

Between Latitude 30° S. and 40° S.

JUNE—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	288·8	292·7	7th	284·3	281·2	29th	286·5	*286·5*	—0·1	404	+225
1221a	Punta Tumbes	36 37	73 6	120	1001·4	1016·0	— 0·6	285·9	289·0	30th	279·5	275·0	20th	282·7	*282·9*	—1·2	157	+ 39
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·8	1017·8	— 0·1	287·7	292·9	16th	281·6	276·5	21st	284·7	*284·3*	—1·0	353	+209
1222a	Santiago	33 27	70 42	520	956·8	1018·8	+ 0·5	286·0	293·9	17th	275·9	271·2	23rd	280·9	*280·1*	—0·7	216	+133
1223	Cordoba	31 25	64 12	423	966·2	1016·8	— 0·3	287·7	297·4	..	275·1	267·7	..	281·4	280·9	—1·9	24	+ 17
1224	Bahia Blanca	38 45	62 15	25	1015·3	1018·4	+ 2·3	283·3	291·0	8th	276·8	271·0	23rd	280·1	279·9	—1·5	37	+ 14
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1012·5	1015·5	— 2·8	285·4	290·8	27th	279·2	273·0	23rd	282·3	282·4	—0·4	101	+ 37
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1014·2	— 2·9	285·9	291·0	10th	281·6	276·7	24th	283·7	*283·7*	—0·2	363	+274
1226a	Porto Alegre	30 2	W51 13	23·5	1011·9	1014·7	— 5·0	291·6	302·8	28th	282·6	276·6	9th	287·1	286·5	+0·2	167	+ 46
1239	Cape Town	33 56	E18 29	12·2	..	1019·3	— 0·8	289·9	300·2	8th	281·0	274·1	26th, 27th	285·5	*284·3*	—0·7	106	— 9
1240	Danger Point	34 37	19 18	27·7	1015·3	1018·6	..	290·0	295·8	10th	282·2	276·3	27th	286·1	..	—0·4	173	+ 69
1241	Riversdale	34 6	21 16	30·5	1007·1	1010·8	..	293·1	303·0	9th	277·1	279·8	29th	285·1	..	..	21	— 15
1242	East London	33 0	27 55	44·8	..	1019·8	— 1·8	293·3	301·3	3rd, 24th	282·6	278·6	30th	288·0	..	—0·8	14	— 20
1259	Perth (Observatory)	31 57	115 51	60·0	1013·8	1021·3	+ 3·5	290·6	295·1	4th	282·1	277·1	25th	286·3	*286·4*	—0·5	104	— 70
1260	Katanning	33 42	117 35	310	983·1	1020·6	+ 3·7	287·7	292·7	5th	278·9	273·3	13th	283·3	..	—0·6	33	— 38
1261	Coolgardie	30 57	121 10	423	970·6	1020·6	+ 1·9	290·3	296·3	5th	279·3	272·9	26th	284·8	*284·7*	+0·2	17	— 14
1262	Eucla	31 45	128 58	4·6	1018·2	1018·9	+ 0·4	290·5	295·8	20th	281·2	276·3	27th	285·8	*285·5*	—0·5	42	+ 15
1263	Streaky Bay	32 48	134 13	13·1	..	1019·9	+ 0·5	289·4	292·0	1st	281·5	277·4	7th	285·4	*285·1*	—0·2	73	+ 2
1264	Adelaide	34 56	138 35	42·7	1014·3	1019·6	+ 0·6	288·9	293·8	18th	280·7	277·0	30th	284·8	*284·7*	—0·1	71	— 9
1265	Melbourne	37 49	144 58	35·1	1014·7	1018·9	+ 0·4	287·0	292·6	17th	278·2	273·1	24th	282·6	*282·2*	—0·6	46	— 7
1266	Bourke	30 13	145 58	110	1008·3	1021·6	— 0·2	292·2	296·9	10th	278·7	274·7	8th	285·4	..	+0·3	1	— 27
1267	Sydney	33 51	151 13	**	1014·0	1018·8	+ 1·2	290·7	295·1	11th	281·8	279·2	30th	286·2	..	+0·6	32	— 89
1268	Lord Howe Island	31 20	159 0	4·6	1016·6	1017·1	+ 0·7	292·5	294·7	15th	288·2	283·9	25th	290·3	..	+0·6	211	+ 21
1271	Auckland	36 50	174 50	38·1	..	1019·3	+ 4·9	287·4	290·2	4th	280·9	276·1	21st	284·1	..	—0·8	76	— 47
1272	Napier	39 32	176 53	21·3	..	..	..	284·9	290·2	3rd, 26th	277·5	271·1	23rd	281·2	..	—1·9	34	— 28
		S.	E.															

Between Latitude 40° S. and 50° S.

JUNE—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1013·6	..	..	..	..	..	..	..	..	..	..	57	— 29
1321	Isla Guafo	43 34	74 45	140	997·6	1014·7	+ 1·3	282·4	285·5	4th	278·6	276·0	13th, 21st	280·5	*280·4*	—0·7	99	— 23
1322	Punta Galera	40 1	73 44	40	1010·8	1015·7	+ 0·7	284·0	287·0	4th	279·5	276·2	22nd	281·7	*282·1*	—0·8	367	+ 20
1323	Sarmiento	45 30	69 0	274	983·1	1015·4	+ 4·0	278·5	289·0	7th	267·2	259·4	28th	272·9	272·4	—4·1	17	+ 4
1324	Punta Madryn	42 49	W64 58	14	1017·0	1018·4	+ 6·0	284·2	292·0	8th	273·2	268·0	1, 4, 22	278·7	278·7	—1·7	25	+ 7
1365	Launceston	41 27	E147 10	10·1	1016·3	1017·5	+ 2·0	286·2	289·4	10th	277·9	271·1	24th	282·1	*281·6*	+1·1	30	— 60
1366	Hobart	42 53	147 20	53·9	1011·3	1017·9	+ 3·7	284·8	290·2	21st	277·9	272·6	25th	281·3	*280·8*	+0·1	47	— 9
1370	Invercargill	46 25	168 21	3·7	..	..	..	282·0	287·4	24th	273·4	267·4	10th	277·7	..	—1·2	52	— 39
1371	Dunedin	45 52	170 31	91·4	..	1023·1	+10·5	281·9	286·3	23rd	275·6	271·3	10th, 28th	278·8	..	—0·8	94	+ 14
1374a	Christchurch	43 31	172 39	7·6	..	1022·3	+ 9·7	282·3	286·3	24th	274·1	268·3	22nd	278·2	..	—1·2	69	+ 2
1372	Wellington	41 16	174 46	3·1	..	1022·5	+ 8·3	285·2	288·2	26th	278·4	272·4	22nd	281·8	..	—0·9	84	— 37
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Height changed from 40·5m. to 42·1m. from June 19th.

JUNE—ZONE 14.

RÉSEAU MONDIAL

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1001·9	1008·7	+ 6·2	278·8	281·4	17th	275·8	272·0	10th	277·3	277·2	−0·3	226	— 8
1422	Puerto de Punta Arenas	53 10	70 54	28	1006·4	1009·9	+ 6·9	277·3	281·8	17th	273·3	268·8	25th	275·3	*275·5*	+0·2	19	+ 2
1423	Punta Dungeness	52 24	68 26	5	1008·4	1009·0	+ 7·0	278·1	281·5	17th	274·4	273·0	sev. dates	276·3	*276·3*	0·0	22	— 7
1424	Santa Cruz	50 11	68 21	12	1010·5	1011·6	+ 6·7	277·6	283·4	17th	268·9	260·4	26th	273·3	273·8	−1·1	6	..
1424*a*	Año Nuevo‡	54 39	64 8	50	..	..	..	277·3	280·0	17th	272·4	269·2	27th	274·9	*275·1*	−0·5	59	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	974·7	..	277·4	280·2	9th	..	..	..	..	‡*275·2*	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1009·5	1012·1	+ 9·5	277·3	280·2	9th, 18th	272·9	266·3	29th	275·1	*275·5*	−0·6	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	1003·2	1003·7	+ 4·9	274·9	284·0	18th	267·9	262·5	28th	271·4	*271·7*	+0·2	101	— 25

JUNE—ZONE 15.

Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	995·9	996·8	+ 0·4	267·4	277·3	16th	258·4	247·3	22nd	262·9	263·0	−0·5	41	+ 12
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JUNE 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	9h.
1	SE	5·4	E 3	Calm 0	SW 1	S 1	S 1	ENE 4	..	Calm 0	E 1	E 1	NNE 2
2	SE	5·7	E 3	Calm 0	Calm 0	Calm 0	SE 1	NE 3	..	SE 4	E 1	E 1	N 1
3	SE	4·9	ESE 3	NE 1	SW 1	E 1	S 1	ESE 3	..	SE 6	E 1	E 2	SW 2
4	SE	4·9	E 2	ENE 1	SW 2	SW 2	S 1	ESE 3	..	SE 6	E 1	E 2	NE 2
5	SE	6·0	SE 2	Calm 0	SW 1	SE 1	S 1	ESE 4	..	N 4	Calm 0	E 1	SE 2
6	SE	4·9	ESE 2	Calm 0	Calm 0	SW 1	SE 1	E 4	..	Calm 0	E 1	Calm 0	NE 2
7	Calm	1·9	ESE 4	Calm 0	SW 1	E 1	NE 1	E 3	..	Calm 0	E 2	E 3	NNE 3
8	Calm	2·1	E 4	Calm 0	Calm 0	N 1	S 1	EbyS 4	..	SE 6	E 2	E 1	NNE 1
9	SE	8·3	ESE 3	Calm 0	Calm 0	SE 1	S 1	EbyN 5	..	Calm 0	ESE 1	ESE 2	NNW 1
10	SSE	6·7	ESE 4	SW 1	SW 2	SW 1	S 1	EbyS 5	..	SE 4	ESE 3	E 2	S 1
11	SSE	7·9	ESE 4	Calm 0	Calm 0	SW 1	SE 1	SE 6	..	SE 4	E 3	E 3	SSW 3
12	SE	8·7	E 5	NE 1	Calm 0	S 2	SE 2	SE 5	..	SE 2	E 2	E 2	SW 2
13	SE	9·3	Calm 0	Calm 0	SW 2	SW 1	SE 2	SE 5	..	SE 2	E 2	E 1	N 2
14	ESE	5·6	E 1	NW 1	Calm 0	W 1	SW 1	E 5	..	Calm 0	E 1	E 2	N 3
15	ESE	4·2	E 2	Calm 0	Calm 0	SE 1	SE 1	E 4	..	Calm 0	Calm 0	E 1	SSW 3
16	ESE	3·0	E 3	Calm 0	SW 1	W 1	S 1	E 5	..	Calm 0	E 1	E 1	SW 2
17	Calm	1·0	E 2	NE 1	NE 1	W 1	S 1	EbyS 6	..	Calm 0	E 3	E 3	SW 2
18	Calm	3·3	ESE 5	Calm 0	Calm 0	S 1	SW 1	ESE 6	..	Calm 0	E 2	E 2	S 2
19	SE	3·9	Calm 0	Calm 0	Calm 0	S 1	SW 1	E 6	..	..	E 2	E 2	NNW 2
20	SE	4·2	ESE 1	Calm 0	NE 1	W 1	SW 1	E 5	..	SE 2	Calm 0	E 2	SSE 4
21	SE	2·9	S 1	NE 1	Calm 0	S 1	SW 1	E 3	..	SE 2	E 1	E 1	SE 3
22	SE	4·2	SE 3	NNW 1	SE 1	NW 1	SE 1	E 3	..	SE 4	E 1	E 2	SE 5
23	SE	6·7	SE 4	Calm 0	ESE 3	S 1	S 1	E 4	..	SE 2	ENE 3	ENE 2	E 6
24	SE	8·3	ESE 4	NW 1	Calm 0	S 1	S 2	E 4	..	SE 2	ENE 3	E 1	SE 5
25	SE	10·0	Calm 0	Calm 0	SE 1	S 1	SE 1	E 4	..	SE 4	ESE 2	ESE 2	SE 5
26	SSE	9·7	NNE 1	Calm 0	ESE 2	SW 1	S 1	E 4	..	..	ESE 2	E 2	SE 5
27	SE	9·3	ESE 3	Calm 0	ESE 1	SW 1	S 1	E 5	..	SE 2	E 2	E 2	NNW 2
28	SE	6·7	E 2	ESE 1	Calm 0	W 1	SW 2	ESE 5	..	SE 2	E 1	E 3	NNW 2
29	SE	5·7	E 4	SE 1	SE 1	S 1	SW 1	NE 6	..	SE 4	E 3	E 5	ESE 3
30	SE	5·5	SE 5	Calm 0	SE 2	NW 1	W 1	ENE 5	..	Calm 0	E 3	E 4	SE 2
								ESE 4	..	SE 2	E 6	E 4	
Mean	..	5·7	2·7	0·4	0·8	1·1	1·1	4·4	..	2·1	1·8	2·0	2·6
§Resultant	135° (83)	..	105° (80)	135° (11)		190° (60)		95° (91)		130° (58)	90° (91)		125° (18)
§Normal	136° (84)	6·4	‖102° (70)	267° (19)		245° (40)		87° (84)		131° (81)	‖109° (53)		97° (49)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JUNE 1922.

‡‡*Barents Sea.*—The west coast of Novaya Zemlya from Admiralty Peninsula to South Goose Cape and the whole sea was free of ice except for a mass of scattered ice extending from 44°E. to 47°E., and from 71½°N. to 74°N. In the northern part the edge, much more northerly than usual, was met with in 76½°N. and extended east to 20 miles south of South Cape. The area covered was 491 × 10^3 sq. km. compared with a normal of 841 × 10^3 sq. km.

‡‡*Spitsbergen.*—The ice belt, 30–40 miles wide, extended from South Cape to Prince Charles Foreland, but from there to Seven Islands the sea was open. Round Northeastland there was scattered ice. Icefjord was navigable, Green Harbour became free of ice about the 15th, but Kings Bay and Storfjord were filled with ice.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 7 days visible, 1 day heavy.

‡‡*Greenland Sea and Denmark Strait.*—Owing to easterly winds the ice edge was 60–80 miles more westerly than usual. Generally it was close, but between 73°N. and 75°N. it was scattered and navigable to within 40 miles of the coast. At Angmagsalik there was ice everywhere out at sea, but along the coast it began to scatter and the land water grew wider. The area covered was 835 × 10^3 sq. km. compared with a normal of 921 × 10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—Eighty-three icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 72; the distribution of the bergs was similar to that in May except for one berg which was observed in 40°W. The heavy ice in Belle Isle Strait scattered, leaving few floes though many icebergs. Icebergs were numerous to 230 miles east of Belle Isle, but the drift of floes decreased.

‡‡*Davis Strait.*—An ice belt, 30 miles wide and consisting of scattered ice, lay offshore from Cape Farewell to Frederikshaab, though at Arsuk the sea was free of ice. In the fjords and bays there was heavy pack ice. North of Fiskernaes the coast was free of ice. About the 15th a southwesterly gale broke up the ice at Umanak and later the ice drifted out of the fjord. Many icebergs were met with from 39°W. to Umanak.

‡‡*Bering Sea.*—In the Okhotsk Sea the edge of heavy ice was lying along 58°N. Large floes and icebergs were observed at Okhotsk. Bering Sea was free of ice, the edge retreating northwards until about the 15th. The firm edge lay from Cape Prince of Wales to East Cape, where the land ice reached to about 10 miles offshore.

‡‡ *Isforholdene i de Arktiske Have*, 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, JULY 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF JULY 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N.

JULY—ZONE 1.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1009·5	..	277·4	287·4	21st	272·2	268·6	10th	274·8	..	−2·8	62	+ 35
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1010·8	1013·1	+ 1·6	280·9	285·8	20th	273·2	270·2	6, 10, 11	277·1	*276·3*	−1·7	14	— 9
125	Jan Mayen	70 59	W 8 18	23·1	1007·8	1010·6	..	..	284·6	28th	276·0	273·3	1st	..	*277·7*	..	20	..
139	Spitsbergen (GreenHarbour)	78 2	E 14 14	11·4	1014·5	1015·9	+ 3·0	..	287·6	7th	278·2	272·4	30th	..	280·4	+2·7	1	— 18
140	Björnöen	74 28	19 15	40·5	1009·3	1014·3	..	..	..	..	..	..	..	..	*279·2*	..	25	..
141	Gjesvaer	71 6	25 22	6·5	1010·6	1011·4	— 0·3	..	302·8	26th	285·0	280·0	13th	..	*288·2*	+5·3	19	— 46
142	Mehavn	71 1	27 47	4·6	1011·9	1012·5	+ 0·4	..	295·5	26th	282·4	278·0	14th	..	*285·5*	+2·7	29	— 20
143	Vardö	70 22	31 8	6·8	1012·6	1013·4	+ 1·7	..	290·2	8th	281·9	279·4	13th	..	*283·8*	+2·1	18	— 29
147	Malye Karmakouly	72 23	52 43	14·8	1012·4	1014·2	+ 1·2	288·7	294·3	22nd	282·5	277·0	3rd	285·6	*285·4*	+5·9	31	0
148	Waigatz	70 24	58 47	11·2	1011·4	1012·7	+ 2·1	283·8	291·3	29th	278·3	272·3	4th	281·0	*280·8*	..	17	..
153	Dickson	73 30 N.	80 23 E.	13	1013·9	1015·5	..	281·6	293·7	31st	275·6	271·9	27th	278·6	..	..	9	..

Between Latitude 70° N. and 60° N.

JULY—ZONE 2.

203	Nome	64 30	165 24	6·7	..	1012·8	+ 1·3	282·8	287·4	1st, 19th	277·5	274·1	17, 20, 31	280·1	*280·2*	−3·0	157	+ 84
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1013·9	+ 2·9	289·2	297·4	25th, 26th	280·1	273·0	31st	284·6	*284·9*	−3·1	147	+ 86
206	Rampart	65 30	150 15	122	..	..	..	287·4	295·2	25th	279·9	273·6	8th	283·7	..	−5·0	92	+ 56
207	Valdez	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
208	Eagle	61 7	6	8·2	..	1018·3	+ 1·9	288·4	296·9	24th	280·3	275·8	19th	284·3	*284·4*	−0·6	138	+ 58
209	Dawson	64 46	41 12	254	..	1010·5	+ 0·4	291·8	298·6	29th	279·8	271·9	19th	285·8	*286·4*	−2·2	49	+ 4
210	Carcross	64 4	139 20	328	975·3	1014·1	+ 0·6	291·9	299·1	25th	270·7	271·3	19th	285·8	..	−2·4	55	+ 17
211	Fort Good Hope	60 11	134 34	662	..	..	..	294·2	303·6	27th	278·1	271·9	18th, 31st	286·1	..	+0·7	8	— 20
212	Fort Simpson	66 15	128 31	65·2	1005·7	1013·5	..	293·2	297·4	26th	280·4	270·8	14th	286·8	..	..	42	+ 28
213	Hay River	60 51	115 57	161	990·8	1008·4	— 2·1	292·9	302·4	30th	283·2	281·9	7th, 22nd	288·1	..	−0·2	75	+ 41
222	Jacobshavn	69 13	51 2	12·6	1011·1	1012·6	+ 1·6	283·1	287·8	15th	277·3	274·3	2nd	280·2	*280·4*	−0·3	22	— 9
226	Godthaab	64 11	51 43	9·0	1009·1	1010·2	+ 0·2	283·9	289·2	20th	274·9	272·4	1, 10, 19	279·4	*278·7*	−0·9	48	— 11
227	Ivigtut	61 12	48 10	13·0	1009·6	1011·2	+ 0·9	285·7	291·7	30th	277·5	274·2	12th	281·6	*281·4*	−1·5	39	— 44
229	Angmagsalik	65 37	37 33	31·7	1007·1	1011·0	— 0·8	283·7	288·0	15th	275·2	271·5	5th	279·5	*278·8*	−0·8	45	— 6
231	Stykkisholm	65 5	22 46	25	1005·0	1008·1	— 2·2	286·5	290·5	25th, 28th	279·0	274·5	22nd	282·7	*282·1*	−0·6	27	— 11
232	Vestmanno	63 24	20 17	132	991·0	1007·0	— 3·0	..	..	..	279·8	277·1	4th	..	*282·2*	−0·8	72	— 7
233	Grimsey	66 33	18 1	22·0	1006·2	1008·9	— 1·9	282·8	287·2	10th	277·2	273·7	3rd	280·0	*279·4*	−0·8	19	— 9
234	Akureyri	65 40	18 5	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1006·6	1008·8	— 1·8	284·7	290·0	25th	278·4	276·1	19th	281·5	*280·9*	−0·9	78	+ 12
236	Thorshavn	62 3	6 45	26·3	1004·6	1007·8	— 3·8	285·5	288·5	28th	279·7	275·9	25th	282·6	*282·3*	−1·0	59	— 21
237	Lerwick	60 9	W 1 11	46·9	1002·7	1008·5	— 2·7	285·2	287·4	16th	281·4	278·6	11th	283·3	*283·3*	−1·2	102	+ 44
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1002·5	1007·8	— 3·4	289·2	297·5	18th	283·9	280·6	1st	..	286·5	*286·2*	−0·9	135	+ 17
239	Aalesund	62 28	6 10	6·3	1007·4	1008·2	— 1·9	..	290·4	17th	..	..	..	..	*285·8*	−0·1	107	+ 25
240	Trondhjem	63 26	10 25	39·5	1003·4	1008·1	— 2·8	291·9	298·3	14th	283·8	278·9	2nd	287·9	*287·3*	+0·3	36	— 20
241	Bodö	67 17	14 24	22·3	1005·8	1008·5	— 2·9	..	295·4	17th	284·3	281·0	2nd	..	*287·6*	+2·1	39	— 26
242	Haraaranda	65 50	24 9	9·2	1008·4	1009·5	— 0·8	293·2	300·0	24th	284·6	280·0	13th	288·9	*288·7*	+0·6	42	— 4
242*a*	Helsingfors	60 10	24 57	11·7	1007·5	1009·0	— 1·8	293·1	299·7	7th	286·2	283·2	13th	289·6	*289·7*	+0·2	85	+ 19
243	Kuopio	62 54	27 40	90·3	997·6	1008·3	— 2·8	293·2	297·7	24th	286·1	282·9	14th	289·6	..	+0·1	65	+ 8
244	Kola	68 53	33 1	6·7	1011·4	1012·2	+ 1·1	291·3	298·5	8th	283·0	277·0	26th	287·2	*287·1*	+1·8	23	— 24
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1008·2	1009·0	— 1·6	295·8	305·0	8th	286·4	281·5	26th	291·1	*290·9*	+2·2	57	— 3
247	Mezen	65 50	44 16	14·9	1007·6	1009·4	— 0·5	293·7	302·0	8th	283·1	275·7	6th	288·4	*288·3*	+1·7	86	+ 38
248	Oust-Tsylma	65 25	52 18	? 68	1000·0	1008·1	— 2·3	293·5	300 1	21st	284·7	277·4	8th	289·1	*288·4*	+1·2	35	— 34
249	Tcherdyn	60 24	56 31	?177	985·8	1006·4	— 2·7	296·0	302·7	29th	286·6	282·6	7th, 10th	291·3	*291·1*	+0·9	44	— 15
250	Berezov	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	60 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
253		61 15	73 24	? 40	998·3	1002·9	— 4·4	..	301·2	22nd	287·9	282·3	8th	..	*291·8*	+1·7	108	+ 44
254	Doudinka	69 23	86 4	20	1006·2	1008·6	+ 2·4	..	300·1	14th	284·7	277·7	10th	..	*289·0*	+3·1	50	+ 14
261	Touroukhansk	65 47	87 57	? 45	1002·2	1007·5	+ 2·0	..	303·2	14th	287·1	281·6	5th	..	*291·7*	+2·9	84	+ 34
262	Viliouisk	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263	Iakoutsk	63 45	121 35	120	..	..	..	..	..	..	..	283·3	..	..	*290·3*	−0·9	51	+ 16
271	Verkhoiansk	62 1	129 43	98	994·7	1006·2	+ 1·2	..	304·9	10th	283·8	276·3	22nd	..	*290·7*	−1·4	58	+ 18
272		67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

(84/91)

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1017·3	+ 6·1	282·2	286·3	24th	277·9	274·1	3rd	280·1	..	—0·3	41	— 3
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1020·3	+ 4·2	288·2	293·0	21st	281·4	276·9	1st	284·8	*284·3*	+1·0	23	— 1
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	?288·0	295·2	23rd	?279·9	276·3	6th, 17th	?283·9	..	—2·0	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1017·9	+ 3·2	289·9	296·3	23rd	282·6	279·7	sev. dates	286·2	*285·9*	+0·8	72	..
307	55°—50° N. 150°—145° W.	††51 35	††147 40	§(15)	..	1026·7	+ 8·8	..	..	Sea Temp. 283·6|—0·6	..	..	..	283·6	+0·6	..	..	..
309	Sitka	57 3	135 19	27·4	..	1022·0	+ 4·5	289·1	295·8	24th	282·1	278·6	30th	285·6	*285·3*	—0·1	78	..
310	Prince Rupert	54 18	130 18	51·8	1016·6	1022·9	+ 4·5	289·7	293·0	31st	281·9	279·1	27th	285·8	*285·8*	—0·4	42	..
311	Barkerville	53 2	121 35	1274	872·9	1015·0	+ 2·5	292·4	296·3	26th, 31st	278·0	273·6	14th	285·2	*284·5*	—0·1	44	..
312	Kamloops	50 42	120 29	385	973·6	1017·7	+ 1·8	302·4	310·2	31st	286·9	282·4	16th	294·7	*294·5*	+0·9	14	..
313	Calgary	51 2	114 2	1045	897·0	1013·2	+ 2·6	298·6	305·8	3rd	280·8	276·3	10th	289·7	*289·1*	+0·5	51	+ 6
314	Fort Chipewyan	58 42	111 10	218	984·4	1009·8	— 0·9	295·5	301·9	18th	284·0	277·4	9th, 11th	289·8	*290·5*	+0·2	75	— 4
315	Prince Albert	53 10	105 38	442	961·4	1012·3	+ 2·3	298·0	304·7	28th	283·0	278·6	1st, 11th	290·5	*290·5*	+0·4	14	— 7
316	Qu'Appelle	50 30	103 47	645	938·7	1012·3	+ 1·5	297·4	304·7	14th, 19th	282·4	276·3	11th	289·9	*289·4*	—0·6	38	— 3
317	Minnedosa	50 15	99 50	515	953·4	1012·5	+ 0·6	296·9	304·7	14th	283·0	275·2	7th	289·9	*289·9*	—0·7	30	— 4
318	Berens River	52 18	97 23	216	..	..	..	295·3	300·8	29th	279·6	270·8	4th	287·4	..	—3·9	50	+ 1
318a	Port Nelson	57 4	92 36	14·9	1010·3	1012·1	+ 0·6	290·8	303·6	28th	279·7	271·9	5th, 6th	..	285·2	0·0	58	— 1
319	Fort Hope	51 33	87 49	‡260	980·3	1010·8	— 0·6	294·7	300·8	29th	281·3	272·4	8th	288·0	*288·4*	—1·8	64	..
320	Moose Factory	51 14	80 30	9·1	1011·3	1012·4	+ 1·5	294·1	302·4	15th	281·9	274·7	2nd, 8th	288·0	..	—1·4	55	..
321	Fort George	53 50	79 5	97·5	..	..	..	289·2	296·9	26th	..	..	..	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	293·3	298·8	16th	281·2	274·9	23rd	287·2	..	—1·9	154	+ 1
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	291·6	299·7	14th	281·4	274·7	26th	286·5	..	—0·4	127	+ 1
326	Belle Isle	51 53	55 23	133	998·2	1014·5	+ 2·5	283·8	290·8	28th	277·6	269·1	29th	280·7	*280·6*	—2·1	70	— 1
333	53°—48° N. 20°—15° W.	††49 50	††17 28	§(35-39)	..	1015·9	..	..	..	Sea Temp. 287·1|—1·3	..	..	..	..	286·8	..	..	..
333*a*	62°—57° N. 20°—15° W.	††59 36	††17 16	§(34)	..	..	..	..	..	283·4|—1·4	..	..	..	..	283·3	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1011·1	1012·7	— 2·8	288·5	290·2	24th	283·4	279·7	28th	285·9	286·0	—1·9	141	+ 1
335	Aberdeen	57 10	W 2 6	26·8	1005·4	1008·6	— 4·0	288·2	292·4	29th	282·3	278·6	8th	285·3	285·1	—1·1	106	+ 1
336	Greenwich	51 28	0 0	46·3	1007·9	1013·4	— 2·2	293·5	299·1	21st	283·3	280·2	4th	288·4	287·8	—2·1	81	+ 1
337	Uccle	50 48	E 4 22	100	1002·8	1014·7	— 1·2	294·0	300·6	22nd	284·2	280·7	28th	289·1	288·1	—1·2	114	+ 1
338	De Bilt	52 6	5 11	3·0	1013·0	1013·4	— 2·2	292·6	297·8	22nd	284·2	278·6	28th	288·4	288·1	—1·9	83	+ 1
338*a*	Hamburg	53 33	9 58	40·3	1008·6	1013·4	— 0·4	292·5	300·5	6th	285·7	282·7	1st	289·1	*289·0*	—1·0	62	+ 1
339	Copenhagen (Meteor. Inst.)‡	55 41	12 36	5·0	1009·8	1010·4	— 2·5	292·0	295·7	6th	285·3	282·3	12th	288·7	*288·4*	0·0	83	+ 1
340	Potsdam	52 23	13 4	84·9	1002·8	1012·9	— 1·5	294·6	309·8	6th	285·1	280·5	1st	289·9	289·6	—1·0	151	+ 1
340*a*	Uppsala	59 51	17 38	24	1005·7	1008·5	— 2·1	293·7	299·2	21st	283·6	277·7	14th	288·6	288·8	—0·8	65	+ 1
341	Warsaw	52 13	21 1	133	999·4	1012·0	— 2·1	296·7	307·5	6th	286·2	283·2	17, 18, 29	291·5	291·7	—0·2	115	+ 1
342	Tartu (Dorpat)	58 23	26 43	74·5	1000·7	1009·5	— 1·5	295·4	306·0	7th	285·6	281·0	13th	290·5	289·9	—0·1	55	+ 1
343	Petrograd	59 56	30 16	4·8	1008·3	1008·9	— 1·7	294·2	301·1	7th	286·8	282·6	15th	290·5	*290·4*	0·0	87	+ 1
344	Kiiv	50 27	30 30	183	991·1	1012·3	+ 0·6	299·6	308·1	12th	288·9	282·9	31st	294·2	*293·5*	+1·2	31	+ 1
344*a*	Moscow	55 50	37 33	167	991·2	1010·7	+ 0·1	296·5	301·6	26th	286·3	281·7	15th	291·4	*291·2*	+0·2	39	+ 1
345	Saratov	51 33	45 57	? 122	996·3	1010·4	+ 0·8	302·4	308·3	19th	289·7	285·8	22nd	296·0	*295·9*	+0·6	51	+ 1
346	Kazan	55 47	49 8	79·9	1001·0	1010·3	— 0·1	300·5	304·2	18th	288·5	284·9	7th	294·5	*293·9*	+1·0	40	+ 1
347	Orenburg	51 45	55 6	109	996·4	1009·0	— 0·7	302·1	308·5	28th	288·0	283·6	13th	295·0	*295·2*	+0·3	12	+ 1
348	Perm	58 1	56 16	163	989·1	1008·1	— 1·3	296·2	304·6	28th	285·4	279·3	10th	290·8	*291·2*	+0·3	34	+ 1
349	Sverdlovsk	56 50	60 38	281	973·9	1006·4	— 1·6	296·0	304·2	29th	285·8	279·3	10th	290·9	*290·8*	+0·8	45	+ 1
350	Tobolsk	58 12	68 14	108	991·8	1004·4	— 4·2	296·3	302·1	31st	287·5	282·9	5th	291·9	*291·3*	+0·3	219	+ 1
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	? 108	991·5	1004·0	— 4·0	..	302·4	23rd	287·3	282·1	9th	..	*292·2*	—0·2	84	+ 1
353	Barnaoul	53 20	83 48	162	987·1	1005·8	+ 0·1	298·9	303·7	1st	288·8	283·3	7th	293·8	*293·7*	+1·4	76	+ 1
354	Tomsk	56 30	84 58	122	990·0	1004·1	— 3·0	..	305·4	2nd	289·1	283·0	31st	..	*293·9*	+3·1	156	+ 1
355	Minousinsk	53 43	91 41	248	976·7	1004·8	— 1·7	..	308·3	1st	289·4	284·8	8th	..	*296·3*	+3·1	69	+ 1
356	Eniseisk	58 27	92 10	77·6	996·0	1005·0	— 1·2	..	304·5	..	288·1	283·0	9th	..	*294·1*	+2·2	65	+ 1
357	Irkutsk	52 16	104 19	467	952·0	1004·5	— 2·0	302·1	307·1	22nd	286·6	282·2	18th	294·4	*294·5*	+4·1	75	+ 1
358	Kirensk	57 47	108 7	263	976·8	1007·0	+ 1·4	..	305·6	18th	284·9	279·5	29th	..	*293·3*	+1·5	18	+ 1
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	962·3	1005·9	+ 0·2	296·2	303·4	28th	281·2	274·2	3rd	288·7	*289·8*	—1·2	81	+ 1
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	987·8	1004·2	— 1·3	297·8	303·5	7th, 21st	288·0	283·1	25th, 26th	292·9	*292·7*	—1·6	164	+ 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	285·6	297·0	17th	279·5	275·5	3rd, 4th	282·6	*281·7*	—1·9	127	+ 1
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1010·5	1018·9	+ 1·6	292·4	303·6	2nd	283·6	281·3	30th	288·0	287·1	—0·6	0	— 11
412	Portland, Oregon	45 32	122 41	46·6	1012·8	1018·3	+ 1·0	299·4	308·0	2nd	286·8	282·4	22nd	293·1	*293·1*	+0·9	0	— 15
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	298·4	306·9	4th	283·8	279·1	10th	291·1	*291·5*	—0·1	87	+ 36
414*a*	Salt Lake City	46 34	112 4	1253	876·2	1015·9	+ 1·4	299·4	306·9	31st	284·3	280·8	17th	291·9	*292·1*	—1·0	34	+ 5
415	Cheyenne	40 46	111 54	1329	869·0	1013·9	+ 1·8	304·3	309·7	13th	291·2	287·4	22nd	297·8	*297·7*	0·0	17	+ 4
416	North Platte	41 8	104 48	1856	817·6	1015·6	+ 1·1	299·3	306·3	14th	283·9	277·4	12th	291·6	*291·7*	—1·0	51	0
416*a*	Bismarck	41 8	100 45	859	919·0	1016·6	+ 1·6	302·6	309·7	15th	288·7	281·9	7th	295·6	*295·3*	—0·8	125	+ 54
417	Winnipeg	46 47	100 38	511	956·3	1015·9	+ 1·6	299·8	308·0	14th	286·1	277·4	7th	292·9	*293·2*	—1·2	70	+ 13
418	Duluth	49 53	97 7	232	985·5	1012·5	+ 0·2	298·6	304·7	14th, 20th	285·8	278·0	7th	292·2	*292·2*	+0·1	126	+ 47
419	Port Arthur	46 47	92 6	345	974·2	1014·9	+ 0·7	296·0	301·9	14th	285·2	279·7	4th	290·6	*290·8*	+0·1	58	— 38
420	Chicago	48 27	89 12	196	990·9	1014·0	+ 0·2	294·7	300·2	16th	284·1	278·0	3rd	289·4	*289·4*	—0·4	103	+ 9
421	Toronto	41 53	87 37	251	986·9	1016·2	+ 0·9	299·4	306·9	9th	292·5	288·6	4th	295·9	*295·9*	—0·4	102	+ 16
422	New York (Central Park)	43 40	79 24	116	1002·4	1016·0	+ 1·6	299·1	303·6	10th, 11th	288·0	283·6	6th	293·6	293·6	0·0	37	— 35
423	St. John, N.B.	40 47	73 58	47·4	1011·4	1016·9	+ 1·4	300·8	306·3	13th	291·5	288·6	5th, 6th	296·2	295·6	—1·4	190	+ 77
424	S.W. Point, Anticosti	45 17	66 4	36·2	1012·0	1016·3	+ 2·8	291·9	298·0	31st	285·2	281·3	10th	288·6	288·2	—0·2	103	+ 11
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1016·0	1016·9	+ 1·0	290·8	294·7	19th	285·8	283·6	10, 12, 26	288·3	*288·1*	+0·4	76	— 19
425	Port aux Basques	47 35	59 10	9·1	1015·4	1016·5	+ 2·8	289·1	293·6	20th	283·6	280·2	15, 26, 27	286·3	*286·2*	+0·1	112	— 17
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°—45° N. 35°—30° W.	††46 6	††32 15	§(17–20)	..	1019·7	..	..	..	Sea Temp. 289·7|+0·3	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	607	941·8	1016·4	+ 2·0	303·9	308·6	30th	289·6	286·1	16th	296·7	*295·5*	+0·6	7	— 3
436	Nantes	47 15	W 1 34	36·5	1012·9	1017·3	— 0·6	294·1	303·0	21st	284·3	279·2	1st	289·2	289·2	—2·0	68	+ 12
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·6	1016·6	— 0·4	294·8	301·3	21st	284·4	280·6	1st	289·6	289·7	—1·4	57	+ 5
438	Marseille	43 18	5 23	75	..	1015·8	+ 0·7	300·7	304·2	6th	287·2	284·3	21st, 22nd	294·0	*293·7*	—1·4	3	— 14
439	Zürich	47 23	8 33	493	960·5	1017·4	+ 0·6	296·2	306·6	6th	284·6	280·0	18th	290·4	289·7	—1·4	148	+ 18
440	Roma	41 54	12 27	45·5	1010·6	1015·6	+ 0·6	303·3	306·4	6th, 7th	291·3	286·9	18th	297·3	*297·7*	+0·2	0	— 17
440*a*	Vienna	48 15	16 22	203	991·0	1014·7	— 0·3	296·8	304·6	6th	286·6	283·3	21st	291·7	291·7	—1·4	34	— 45
441	Budapest	47 31	19 2	130	999·0	1014·2	+ 0·3	301·2	309·2	11th	287·8	283·0	30th	294·5	*294·2*	+0·4	40	— 15
442	Sofia	42 42	23 20	550	952·0	1013·8	+ 1·1	302·5	308·9	16th	288·4	282·7	19th	295·5	*295·5*	+1·9	21	— 51
443	Bucharest	44 25	26 6	82	1003·9	1013·4	+ 0·8	304·8	311·0	16th	289·8	284·1	27th	297·3	297·2	+1·5	29	— 39
444	Odessa (University)	46 29	30 46	65·3	1005·5	1013·0	+ 0·6	301·0	306·1	15th	292·6	286·9	21st	296·8	*297·1*	+1·5	23	— 26
444*a*	Kharkiv (University)	50 0	36 14	140	995·6	1011·7	— 0·3	302·4	309·2	17th	288·7	283·4	30th	295·6	*295·7*	+2·7	10	— 56
445	Novorossiisk	44 44	37 49	37·1	1006·2	1010·5	— 0·4	302·7	307·1	1st	293·6	287·8	23rd	298·2	*297·9*	+1·5	31	— 29
446	Tiflis	41 43	44 48	404	964·0	1009·2	— 0·4	302·2	306·0	20th, 21st	292·3	290·4	14th	297·2	296·9	—0·5	94	+ 45
447	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 7	— 23·5	1012·3	1009·6	— 0·2	303·7	312·1	28th	295·8	289·8	13th	299·8	*299·8*	+0·9	1	— 14
	Krasnovodsk	40 0	52 59	— 5·9	1008·0	1007·4	— 0·7	307·4	312·3	29th	298·6	294·7	9th	303·0	*302·2*	+0·7	1	— 2
449	Kasalinsk	45 46	62 7	67	1000·3	1008·0	+ 0·8	..	..	..	291·8	287·3	12th	..	*298·9*	+0·5	1	— 6
450	Tachkent	41 20	69 18	478	950·6	1003·2	— 0·6	308·9	313·8	24th	292·5	286·7	5th	300·7	*300·2*	+0·5	2	— 2
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	912·3	1004·3	— 0·6	301·6	306·1	25th	289·6	285·3	1st	295·6	*295·1*	—0·3	74	+ 39
461	Moukden	41 48	123 23	43·8	998·9	1003·9	— 0·5	303·2	307·3	30th	293·1	287·9	4th	298·1	297·7	0·0	210	+ 63
462	Joshin	40 40	129 11	31·0	1002·7	1006·4	— 0·8	296·7	302·0	10th, 19th	290·5	286·7	12th	293·6	293·1	+0·1	258	+148
463	Yuki	42 20	130 24	65·6	998·6	1006·2	— 1·5	295·5	303·5	22nd	289·5	283·7	5th	292·5	292·0	—0·5	280	+153
464	Vladivostok	43 7	131 55	128	992·0	1007·0	— 1·2	292·8	301·0	22nd	288·4	284·3	5th	290·6	*290·5*	—1·1	172	+ 95
465	Ochiai	47 20	142 47	27·4	1007·3	1010·6	+ 1·1	290·9	303·6	22nd	281·9	273·7	26th	286·4	286·1	—1·6	175	+ 73
466	Nemuro	43 20	145 35	26·7	1008·1	1011·3	+ 1·2	291·1	297·8	25th	283·8	278·3	27th	287·4	287·3	+0·2	116	+ 20
466*a*	Syana	45 14	147 53	39·3	1007·0	1011·7	+ 1·0	291·0	299·1	15th	282·9	274·5	27th	286·9	286·9	+0·5	37	— 43
		N.	E.															

Between Latitude 40° N. and 30° N.

JULY—ZONE 5 (Western Half).

508	35°—30° N. 145°—140° W.	††31 20	††141 44	§(20)	..	1024·0	+ 0·3	..	..	Sea Temp. 292·4|—1·1	..	..	..	..	291·9	—1·1	..	..
511	San Francisco	37 48	122 26	47·2	1009·9	1015·9	+ 1·3	291·8	296·3	15th	285·5	283·0	30th	288·7	*287·8*	+1·6	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1008·6	1015·9	+ 1·5	298·2	303·6	25th	284·7	280·8	23rd	291·4	*290·2*	+1·0	0	0
513	San Diego	32 43	117 10	26·5	1011·6	1014·5	+ 1·7	295·5	297·4	15th	290·2	288·6	24th	292·8	*292·5*	+0·5	0	— 2
514	Modena	37 48	113 54	1670	836·3	1013·2	+ 1·5	304·7	310·2	14th	285·9	281·3	1st	295·3	*294·6*	+0·7	31	— 6
515	Santa Fé	35 41	105 57	2138	792·3	1012·5	+ 1·1	301·3	304·1	5th	287·1	285·2	1st	294·2	*293·6*	+1·0	44	— 23
516	Denver	39 45	105 0	1613	841·1	1015·6	+ 1·1	302·4	309·1	15th	287·8	283·0	11th	295·1	*294·5*	—0·2	47	+ 2
517	Abilene	32 23	99 40	530	954·7	1014·2	+ 0·7	308·4	312·4	21st	295·4	289·7	4th	301·9	*301·5*	+0·9	24	— 26
518	Saint Louis	38 38	90 12	173	995·8	1015·9	+ 0·6	303·9	308·6	31st	294·1	288·6	4th	299·0	*299·2*	—0·2	61	— 31
519	Mobile	30 41	88 2	17·4	1016·3	1018·3	+ 1·9	304·3	306·3	13th	296·2	293·0	5th	300·2	*299·4*	+0·3	243	+ 64
520	Nashville	36 10	86 47	166	998·4	1017·6	+ 1·5	303·9	308·0	28th	293·4	287·4	5th	298·7	*298·5*	—0·4	156	+ 51
521	Charleston	32 47	79 56	14·6	1016·7	1018·6	+ 1·5	304·8	309·1	30th	297·1	294·1	10th	300·9	*300·8*	+0·9	204	+ 24
522	Washington	38 54	77 3	34·1	1012·7	1016·6	+ 1·1	302·6	308·0	12th	293·0	287·4	6th	297·8	*297·4*	+0·1	244	+124
523	Bermuda	32 17	64 46	46·0	1019·8	1025·1	+ 4·8	302·4	304·1	19th	295·2	293·6	20, 21, 22	298·8	*298·7*	—0·7	75	— 43
524	Santa Cruz (Flores)	39 27	31 9	40	1022·9	1027·4	+ 1·5	299·6	301·7	17th	293·2	289·9	9th	296·4	*296·4*	+1·8	29	— 26
530	Horta	38 32	28 38	65	1019·6	1026·8	+ 1·8	298·6	302·3	29th	292·4	290·3	7th	295·5	294·9	+0·4	24	— 30
531	Ponta Delgada	37 44	25 40	22	1023·9	1025·7	+ 1·6	297·1	299·8	30th	292·4	289·8	9th	294·8	294·5	+0·6	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1019·9	‡1022·8	+ 2·5	297·8	304·9	31st	292·7	291·1	2nd	295·2	*295·4*	+1·2	24	— 8
533	Lisbon	38 43	9 9	95	1008·0	1019·2	+ 1·6	299·1	310·3	29th	289·6	286·5	7th	294·3	293·8	—0·3	0	— 3
534	Melilla	35 18	2 59	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
535	Gibraltar	36 6	5 21	16·2	1015·9	1017·8	+ 0·8	300·6	304·1	8th, 31st	291·9	289·1	2nd	296·3	*295·7*	—0·5	1	— 2
536	Colomb-Béchar	31 36**	2 4**	769**	928·4	1009·9	..	313·5	315·0	sev. dates	298·2	294·0	4th	305·9	*306·3*	..	0	..
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations. ** Station moved to 31° 36′N. 2° 4′W. 769m. from July 1st.

JULY—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1014·9	1017·6	— 0·4	300·7	304·6	15th	290·9	288·0	10th	295·8	..	—2·4	3	— 8
538	Algiers (Bouzaréah)	36 48	3 2	342	977·4	1015·6	— 0·1	299·1	305·2	15th	291·8	289·0	28th	295·5	295·0	—1·0	0	— 3
539	Tunis	36 48	10 10	21	1015·6	1018·0	..	305·2	315·2	15th	293·1	287·7	3rd	299·1	*298·5*	+0·1	0	— 3
539*a*	Malta	35 54	14 31	56·4	..	1015·5	+ 1·4	300·9	304·7	16th	294·6	292·4	4th	297·7	*296·9*	—1·0	0	— 7
540	Riposto	37 41	15 14	14·2	..	1017·1	+ 0·8	301·2	305·0	16th	294·3	292·8	20th	297·7	*296·6*	—1·3	0	— 7
541	Athens	37 58	23 43	107	999·0	1011·1	— 0·2	306·3	310·0	13th	296·1	293·2	31st	301·2	300·8	+0·9	0	— 6
542	Alexandria	31 12	29 53	32·0	1005·6	1009·2	— 0·4	304·3	305·6	27th	296·5	294·5	1st	300·4	*300·2*	+1·5	0	..
543	Nicosia (P.W.D.)	35 9	33 22	159	987·2	1005·0	— 0·9	309·2	312·4	25th	294·3	291·3	3rd	301·8	..	+0·6	10	+ 9
544	Beirut	33 54	35 28	33·7	..	1007·0	— 0·6	303·7	305·1	23rd, 27th	296·5	294·7	5th	300·1	*299·9*	+0·4	0	— 1
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	999·0	— 1·0	316·8	322·4	21st	302·4	298·7	1st	309·6	*309·7*	..	0	— 17
546	Lenkoran	38 45	48 52	— 20·0	1011·5	1009·2	— 0·1	..	..	..	294·0	291·8	9th, 10th	..	*298·7*	—0·6	4	— 4
547	Tehran	35 41	51 25	1220	..	..	..	307·8	310·3	8th	..	..	..	‡297·7	..	..	0	— 2
548	Meshed	36 16	59 35	946	872·6	..	..	307·1	310·2	24th	289·1	284·9	31st	298·1	..	+0·4	0	..
549	Seistan	31 0	61 30	?	..	..	..	312·6	314·6	17th	299·9	294·7	13th	306·3	..	..	0	— 17
550	Quetta	30 11	67 3	1677	825·8	..	— 0·1	309·2	312·1	17th	292·1	285·6	1st	300·7	*300·5*	+1·5	0	— 6
551	Peshawar	34 2	71 37	339	959·3	995·9	— 1·6	316·9	321·6	16th	300·2	295·8	1st	308·6	*308·1*	+2·8	28	— 85
551*a*	Lahore	31 34	74 20	214	973·0	996·5	— 1·1	312·2	316·8	12th	301·5	297·1	6th	306·9	*306·3*	+1·6	51	+105
552	Simla	31 7	77 8	2205	776·4	..	— 0·1	292·7	295·2	12th	288·6	285·8	6th, 17th	290·6	*290·4*	—0·8	579	— 8
552*a*	Leh	34 10	77 42	3503	664·2	..	0·0	296·3	300·2	29th	283·3	278·9	6th	289·8	*288·8*	—0·8	4	—103
559	Hankow	30 35	114 17	37·0	1000·6	1004·7	+ 0·8	307·4	311·2	19th	298·4	294·6	4th	302·9	*302·2*	+0·7	62	+ 2
560	Tientsin	39 10	117 10	5·0	1003·3	1003·8	— 0·3	306·8	315·9	10th	296·5	292·2	5th	301·7	*300·7*	+1·1	176	— 85
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1005·8	+ 1·1	306·1	311·4	14th	296·5	292·1	5th	301·3	300·2	+0·3	70	+ 80
562	Jinsen (Chemulpho)	37 29	126 37	67·6	999·3	1007·1	+ 0·7	299·1	306·2	24th	293·6	289·9	5th	296·4	295·9	—0·3	303	+353
562*a*	Nagasaki	32 44	129 52	133	994·1	1009·2	+ 0·8	301·5	305·4	23rd	294·9	291·3	3rd	298·2	297·9	—0·6	587	+ 17
563	Kyoto	35 1	135 44	42·9	1005·9	1010·8	+ 2·3	304·2	308·0	23rd	294·7	289·8	12th	299·5	298·8	+0·6	204	— 26
564	Tokyo	35 41	139 46	5·8	1009·1	1009·7	+ 0·4	302·2	307·5	31st	294·8	291·2	13th	298·5	298·0	+0·8	115	— 75
565	Kanayama	37 53	140 46	24·6	1008·1	1010·9	+ 1·3	301·5	306·9	23rd	292·9	286·7	13th	297·2	296·6	+1·7	108	— 27
566	Miyako	39 38	141 59	30·4	1006·7	1010·2	+ 0·8	299·1	303·2	24th	291·2	287·0	1st	295·1	294·6	+1·7		

JULY—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·6	— 1·3	302·1	305·2	6th	294·5	292·4	4th	298·3	*297·8*	..	116	..
605	Honolulu	21 19	157 52	11·6	1015·8	1017·1	+ 0·6	300·8	301·9	..	296·3	293·6	..	298·6	*298·3*	+0·2	14	— 19
614	La Paz	24 9	110 20	12	1009·8	1011·1	..	309·6	314·0	12th	295·1	292·8	8th	302·3	..	..	4	..
615	Chihuahua	28 38	106 4	1423	861·6	1010·6	..	302·9	306·0	sev. dates	293·5	290·0	4th	298·2	*298·4*	..	89	+ 45
616	Leon	21 7	101 41	1809	823·9	1012·1	+ 2·1	300·7	302·4	26th, 28th	287·2	286·0	8th, 28th	293·9	*293·1*	—0·5	199	— 95
616*a*	Monterry	25 40	100 18	528	955·0	1013·4	+ 2·1	306·1	308·9	26th	294·2	292·5	17th	300·1	*299·7*	—0·6	26	— 65
617	Tulancingo	20 5	98 22	2180	792·7	..	..	296·9	298·6	20th, 21st	283·5	281·0	24th, 25th	290·2	*288·7*	—1·2	26	— 64
618	Galveston	29 18	94 50	16·5	1016·0	1017·9	+ 2·0	303·2	304·7	14th	298·6	293·6	19th	300·9	*300·7*	—0·4	41	..
618*a*	New Orleans	29 57	90 4	16·2	..	1017·9	+ 1·9	304·8	308·0	31st	297·2	295·2	20th	301·0	*300·3*	0·0	103	— 14
619	Merida, Yuc.	20 58	89 38	22	1016·3	1018·8	+ 1·9	305·0	306·2	7th, 22nd	295·8	294·4	13th	300·4	*299·8*	0·0	94	— 36
620	Havana	23 8	82 21	24·3	..	1018·8	+ 2·1	304·8	306·7	4th	297·1	294·7	30th	300·9	*300·4*	+0·4	43	— 70
620*a*	Key West	24 33	81 48	6·7	1018·1	1018·9	+ 2·0	303·9	305·2	6th	297·9	295·2	12th	300·9	*301·0*	—0·7	175	— 32
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	32	..
622	Watling Island	24 6	74 26	33·5	1016·4	1020·2	+ 3·1	..	304·1	5th	..	298·0	2nd, 4th	..	*301·3*	..	..	..
633	Izaña	28 19	16 30	2367	772·8	..	..	296·5	300·6	30th, 31st	288·0	281·4	5th	292·3	*291·6*	+2·0	0	+ 2
634	La Laguna	28 28	W16 20	547	955·5	1017·9	+ 1·3	298·2	312·5	31st	288·0	285·2	10th	293·1	*292·4*	—0·3	0	..
641	Siwa	29 12	E25 29	— 23	1013·1	1010·6	..	310·3	313·9	27th	294·1	291·3	21st	302·2	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	995·1	1008·0	— 0·1	308·3	311·0	19th	294·7	293·0	29th	301·5	*301·5*	+0·6	0	..
643*a*	Aswan	24 2	32 53	99·6	995·8	1006·7	+ 0·5	314·6	318·1	20th	298·7	294·0	17th	306·6	*306·5*	+0·7	..	..
644	Tor	28 14	33 37	1·9	..	..	..	..	..	..	..	..	..	..	..	..	0	..
647	Bushire	28 59	50 53	4·3	996·7	997·2	— 0·1	307·9	311·3	22nd	303·0	300·7	11th	305·5	*304·8*	+0·5	0	..
648	Jask	25 44	57 47	4·0	994·9	995·4	— 2·9	309·1	314·3	31st	303·7	302·1	3rd	306·4	*305·7*	+0·8	0	..
649	Karachi	24 53	66 57	4·0	998·1	998·6	— 0·5	305·7	307·1	2nd	301·3	299·1	30th	303·5	*302·8*	+1·3	5	— 74
650	Jacobabad	28 17	68 29	56·7	989·6	995·8	— 0·5	314·3	317·7	5th	303·6	300·0	27th	308·9	*308·3*	+0·1	0	— 25
651	Jaipur	26 56	75 52	436	951·2	998·7	— 0·5	307·9	312·2	12th	298·9	295·9	26th	303·4	*302·7*	+0·4	168	— 85
652	Nagpur	21 8	79 5	310	966·8	1001·3	— 0·2	303·3	307·0	11th	297·2	295·3	29th	300·3	*299·7*	—0·3	301	+126
653	Allahabad	25 25	81 51	94·1	991·6	998·2	— 0·2	305·2	308·6	5th	299·2	296·3	26th	302·2	*301·6*	—1·0	408	+ 43
653*a*	Darjeeling	27 3	88 18	2266	772·3	..	— 0·3	292·4	295·1	9th	288·1	286·8	5th	290·2	*290·0*	+0·5	613	..
654	Calcutta	22 36	88 23	6·4	998·1	999·0	— 1·2	304·6	306·7	5th	299·2	296·9	27th	301·9	*301·7*	+0·4	368	— 88
655	Gauhati	26 8	91 41	59·7	995·2	1001·9	— 0·1	305·2	308·0	29th	298·6	296·5	10th	301·9	*301·3*	0·0	313	— 85
655*m*	Cherrapunji	25 15	91 42	1314	862·4	..	— 0·2	295·7	299·4	28th, 29th	292·2	291·1	11th	293·9	*293·4*	+0·6	1900	+ 80
655*a*	Akyab	20 11	92 56	6·1	1001·7	1002·5	— 1·4	301·8	304·4	4th	297·9	295·9	15th	299·8	*299·9*	—0·4	1454	+ 43
656	Mandalay	21 59	96 0	76·2	995·2	1003·7	— 0·5	308·5	313·3	4th	299·4	297·9	16th	303·9	*303·3*	+0·6	42	— 17
656*a*	Tengyueh	25 2	98 33	1625	830·7	1000·1	+ 0·9	296·2	299·1	5th	290·4	288·6	5th	293·3	*292·6*	+0·2	408	— 26
657	Phu Lien	20 48	106 38	116	989·5	1002·7	+ 0·1	304·8	308·4	29th	298·2	295·9	30th	301·5	301·0	—0·1	280	— 26
658	Moncay	21 31	107 51	9	1001·5	1002·5	— 0·3	305·5	307·6	28th, 31st	298·1	295·9	14th	301·8	*301·9*	+0·3	836	— 77
659	Hongkong	22 18	114 10	33·2	..	1004·4	— 0·3	303·7	305·6	1st, 5th	298·9	296·0	12th	301·3	301·1	+0·3	325	— 27
660	Amoy	24 27	118 4	ca.3	1003·7	1004·0	— 0·4	304·8	306·3	sev. dates	300·2	298·6	20th, 23rd	302·5	*302·3*	+0·5	46	— 12
661	Taihoku, Formosa	25 2	121 31	9·3	1005·0	1006·0	+ 0·4	306·5	308·9	27th	297·4	295·7	24th	302·0	301·7	+0·7	96	— 44
661*a*	Basco	20 28	121 59	18·7	1001·4	1003·8	— 1·4	304·0	305·2	14, 15, 24	298·0	296·6	20th	301·0	*301·3*	+0·1	256	— 44
662	Naha	26 13	127 41	10·5	1006·6	1007·8	+ 0·3	304·7	306·8	1st, 3rd	297·8	295·8	15th	301·3	300·9	0·0	225	— 80
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1012·9	1013·3	+ 2·1	303·3	304·6	25th	297·5	295·3	19th	300·4	300·1	0·0		
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. **JULY—ZONE 7.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	958·2	1013·0	..	303·0	304·5	26th	296·8	294·0	3rd	299·9	*299·5*	..	137	..
716	Morelia	19 42	101 7	1923	813·3	1014·0	..	295·5	298·0	13th	286·6	284·0	10th	291·1	*290·4*	..	178	..
717	Mexico, Tacubaya	19 24	99 12	2309	777·3	..	+ 1·2	297·1	299·0	25th	282·9	280·6	10th	290·0	288·5	—0·2	112	— 15
718	Salina Cruz	16 12	95 12	56	1005·7	1012·0	..	305·8	307·9	22nd	298·2	294·5	[redacted]	302·0	*302·4*	+1·6	16	—134
719	San Salvador	13 42	89 13	682	938·4	1014·1	+ 1·9	305·0	307·2	3rd	290·4	288·0	30th	297·7	*296·1*	—0·5	155	—131
720	Belize	17 29	88 12	5·2	1014·2	1014·7	+ 1·0	..	..	..	290·9	294·1	14th	..	‡*299·9*	+0·3	81	—172
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1015·7	+ 1·7	304·4	305·5	29th	295·4	294·0	10th	299·9	*300·1*	+0·1	162	+ 17
722	Port au Prince	18 33	72 20	37·4	1012·6	1016·9	+ 1·5	307·1	309·4	16th	290·3	294·7	29th	301·7	*300·8*	0·0	54	— 15
723	Caracas	10 30	66 55	1042	901·5	1016·0	+ 1·6	299·3	302·0	29th	288·6	286·4	20th	293·9	*292·7*	—0·5	41	— 68
724	Montserrat	16 41	62 9	39·6	1012·5	1017·1	+ 1·3	305·3	309·7	6th	290·7	295·2	14th, 25th	301·0	*300·4*	+0·5	138	— 16
724*a*	Grenada (Richmond Hill)	12 5	61 46	155	‡996·5	‡1014·4	+ 1·0	301·8	304·1	31st	290·5	294·7	27th	299·2	*298·5*	+0·1	182	— 67
725	Barbados	13 8	59 36	55·2	..	1015·9	+ 1·3	302·7	303·9	31st	290·5	294·3	30th	299·6	*299·7*	+0·2	70	— 60
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·1	1015·3	+ 1·2	299·4	301·5	13th, 16th	293·2	291·5	9th	296·3	*296·9*	—0·5	0	— 6
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·7	1014·6	0·0	300·4	301·8	26th	290·3	295·6	5th, 23rd	298·3	*298·5*	—0·4	1	— 9
734	Bathurst	13 27	16 34	1·8	..	1013·5	+ 0·2	304·1	306·9	1st	294·4	293·0	6th	299·3	*299·5*	—0·3	110	—167
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·8	310·2	4th	295·1	293·0	10th, 13th	300·9	..	+0·1	159	— 49
735*a*	Niénébalé	12 57	7 26	300	..	..	..	304·8	308·0	21, 22, 25	297·4	295·0	31st	301·1	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
737	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	298	..
738	Sokoto	13 2	E 5 14	353	..	..	..	305·7	310·8	3rd	295·3	292·4	5th	300·5	*299·8*	0·0	305	+142
739	Kaduna Capital	10 32	7 25	637	942·7	1014·5	— 0·5	298·7	301·3	3rd	291·9	288·6	26th	295·3	*294·7*	—1·0	263	0
740	Hadejia	12 40	10 5	?	..	..	..	305·7	313·0	2nd	292·5	289·7	16th	299·1	*298·4*	—1·6	204	+ 68
741	Maiduguri	11 47	13 11	361	..	..	..	307·3	313·6	1, 2, 3	296·6	294·1	7, 23, 28	301·9	*301·3*	+0·3	105	— 58
743	El Fasher	13 32	25 18	730	..	..	..	306·5	310·9	1st	292·2	289·7	22nd	299·4	?*298·1*	..	178	..
743*a*	El Obeid	13 11	30 14	569	..	..	..	306·2	311·6	1st	295·3	293·0	5th	300·8	?*299·8*	—0·3	109	+ 17
744	Khartoum	15 37	32 33	390	966·2	1009·1	+ 1·3	309·6	313·1	7th	297·1	293·0	31st	303·3	*303·6*	—2·0	149	+104
745	Port Sudan	19 37	37 13	5·5	1005·1	1005·8	+ 1·4	314·9	317·9	27th	301·6	296·9	8th	308·2	*307·4*	+1·0	0	— 10
746	Berbera, Somaliland	10 22	45 2	9·5	1002·8	1003·8	— 1·2	315·7	318·6	6th	303·1	301·3	1st	309·4	*309·7*	0·0	0	— 2
746	Aden	12 45	45 3	28·7	1001·3	1004·6	+ 0·6	306·6	308·1	10th	300·5	296·9	27th	303·5	*303·4*	—0·6	0	— 1
751	Bombay	18 54	72 49	11·3	1003·1	1004·5	— 0·2	301·9	304·2	1st	298·1	297·0	5th	300·0	299·8	—0·4	791	+156
752	Kodaikanal	10 14	77 28	2343	768·5	..	— 0·2	290·2	292·8	26th	284·1	282·1	22nd	287·2	*286·3*	0·0	73	— 54
752*a*	Bangalore	12 59	77 38	920	907·3	1007·6	0·0	300·6	304·4	12th	291·8	290·3	31st	296·2	*295·1*	—0·1	69	— 39
753	Madras	13 4	80 14	6·7	1005·0	1005·8	— 0·2	309·0	313·1	7th	299·3	296·6	20th	304·1	*303·3*	+0·4	79	— 23
754	Vizagapatam	17 42	83 19	11·6	999·6	1001·0	— 1·1	305·4	308·1	4th	299·8	296·9	21st	302·6	*301·8*	+0·2	82	— 30
755	Port Blair	11 40	92 40	18·0	1004·7	1006·8	— 0·8	302·1	303·3	23rd	297·7	295·8	19th	299·9	*299·1*	—0·5	434	+ 34
756	Rangoon	16 46	95 48	5·5	1005·7	1006·4	— 0·3	302·3	305·2	4th	297·6	296·3	21st	299·9	*298·9*	0·0	648	+101
757	Saigon	10 47	106 42	11	1005·8	1007·0	— 0·2	303·2	305·4	10th	296·6	295·0	17th	299·9	*299·4*	—0·5	383	+100
758	Nhatrang	12 15	109 12	3·6	1004·4	1004·8	— 0·3	305·2	307·7	8th	297·1	295·9	18th, 28th	301·2	*300·7*	—0·4	53	+ 3
761	Bolinao	16 23	119 53	7·1	1002·5	1003·4	— 1·6	304·3	306·1	15th	297·5	295·8	9th	300·9	*299·9*	0·0	584	— 71
761*a*	Vigan	17 34	120 23	12·2	..	1004·5	— 1·6	304·7	306·6	2nd	297·5	296·8	6, 27, 31	301·1	300·6	+0·5	419	—265
762	Manila	14 35	120 59	14·2	..	1005·9	— 0·9	303·5	305·7	13th	296·9	295·8	17th, 20th	300·2	*299·3*	—0·7	549	+110
765	Ormoc	11 0	124 36	5·6	1005·8	1006·5	← 0·7	304·3	305·5	23rd	296·9	295·0	18th	300·6	*300·5*	+1·0	403	+115
	Guam, Ladrone Is.	13 24	144 38	20·4	1005·1	1007·6	0·0	303·2	304·8	13th	297·4	296·0	28th	300·3	*300·5*	0·0	365	— 13
		N.	E.															

Between Latitude 10° N. and 0°. **JULY—ZONE 8.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·0	1010·6	..	304·2	306·3	8th, 9th	298·2	296·5	13th	301·2	*300·8*	+0·3	82	—145
821	Colon	9 23	79 23	11·0	..	1011·3	+ 0·4	303·7	304·7	28th	298·3	295·8	17th	301·0	*300·6*	+1·2	112	—294
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	102	+ 50
822*a*	Merida, Venez.	8 36	71 9	1641	‡842·9	..	+ 0·7	297·9	302·0	29th, 30th	287·4	285·5	19th	292·6	*291·5*	—0·3	87	— 26
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	304·8	306·3	15th	296·5	292·7	28th	300·7	*300·2*	..	120	— 45
824	El Peru, Guayanavieja	7 19	61 49	220	987·5	1012·6	+ 0·5	302·9	303·8	9th	292·4	289·7	28th	297·7	*297·0*	—0·6	137	— 52
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1015·7	+ 2·2	302·4	303·6	22nd, 23rd	297·1	295·5	7th, 28th	299·8	*299·6*	—0·2	189	— 62
826	Paramaribo	5 49	55 9	3·7	‡1015·4	‡1015·8	+ 1·9	303·9	305·9	26th	295·3	294·3	14th	299·6	*299·3*	+1·2	139	— 86
826*a*	Cayenne	4 56	52 21	6	1012·5	1013·2	+ 0·3	305·3	308·0	5th, 22nd	295·4	291·0	5th	300·3	*297·9*	—0·5	212	+ 36
831	10—5° N. 30—25° W.	††7 14	††27 9	§(71—77)	..	1014·6	+ 0·8	..	..	Sea Temp.								
833	Konakri	9 31	13 43	16	..	..	..	300·5	302·0	299·4 0·0	..	..	..	..	..	..	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1007·6	1015·5	+ 2·8	300·8	303·6	1, 3, 24	296·2	294·0	10th	298·3	*297·9*	+0·3	..	..
835	Assuantsi	5 18	1 15	101	..	..	..	299·0	301·3	16th	296·3	295·2	sev. dates	298·6	*297·9*	—0·3	1336	+ 31
836	Accra	5 33	W 0 12	27·0	1013·3	1016·6	..	300·3	301·3	30th	293·6	291·9	6, 11, 28	297·0	*297·9*	—0·3	957	+ 53
837	Lagos	6 27	E 3 24	4·6	1013·5	1014·0	+ 0·7	300·6	303·0	16th	294·7	293·0	7th	297·7	*297·1*	+0·2	3	— 40
838	Zungeru	9 48	6 10	130	..	..	..	302·9	306·3	30th	295·8	294·2	14th	298·2	*297·6*	—0·4	70	—201
839	Yola	9 12	12 30	259	..	..	..	303·9	306·3	1st	290·0	288·6	15th, 18th	296·4	*295·9*	—2·6	62	—133
841	Wau	7 42	28 3	440	..	..	..	305·6	307·0	3, 30, 31 sev. dates	..	..	..	..	‡*299·3*	+0·7	117	— 44
843	Malakal (Kodok)	9 35	31 37	394	968·3	1012·4	+ 1·0	303·7	306·6	19th	294·9	292·8	6th	299·3	*298·2*	+0·9	185	0
843*a*	Mongalla	5 11	31 47	439	962·0	1010·7	+ 1·0	..	..	..	..	..	..	..	..	..	267	+106
844	Entebbe	0 5	32 29	1171	886·3	1013·3	+ 1·3	297·9	299·4	24th	288·8	286·6	17th	293·3	*293·4*	+0·4	208	+ 76
851	Minicoy	8 17	72 49	2·1	1010·9	1011·1	+ 1·1	..	..	..	..	..	..	..	..	..	75	0
851*a*	Cochin	9 58	76 21	2·7	1010·7	1011·0	+ 0·8	300·8	302·8	29th	296·0	294·8	6th	298·4	*297·6*	—0·7	258	+ 36
852	Colombo Observatory	6 54	79 53	7·3	..	1010·0	+ 1·1	302·3	303·3	31st	297·5	294·9	1st, 2nd	299·9	*299·1*	—0·4	709	+112
853	Nuwara Elija	6 59	80 46	1886	..	..	..	290·7	294·7	26th	286·0	284·

JULY—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·2	1011·1	+ 0·7	..	..	..	..	..	..	..	*299·7*	−1·3	15	— 36
924	Manaos	3 8	60 1	43·8	..	..	..	302·5	305·0	9th	295·7	292·6	2nd	299·1	*298·5*	−1·6	32	..
926	Taperinha	2 30	54 20	20·0	1011·6	1013·8	+ 0·7	302·9	305·0	2nd	294·6	293·0	7th	298·8	*297·6*	0·0	215	+150
927	Turyassu	1 43	45 26	15·1	1012·2	1014·0	+ 0·8	303·8	305·2	7th	294·2	292·5	19th	299·0	*298·0*	−0·3	296	+ 19
928	Barra do Corda	5 30	45 16	81·0	1003·4	1012·9	0·0	305·1	306·6	31st	..	..	..	..	*296·8*	−0·3	28	+ 74
929	Quixeramobim	5 16	39 15	207	992·5	1016·2	+ 1·5	301·4	303·2	31st	294·6	292·2	7th	298·0	*297·5*	−1·9	95	+ 20
930	Fernando Noronha	3 50	W32 25	106	1002·0	1014·1	− 0·9	300·3	301·1	8th	296·2	294·6	14th	298·2	*297·8*	+0·4	105	..
939	Loanda	8 49	E 13 13	59·3	..	1018·5	+ 2·8	294·9	296·6	12th	290·8	289·4	27th	292·9	292·6	−0·1	0	+ 4
940	Brazzaville	4 17	15 16	320	982·5	1019·2	+ 3·9	301·1	305·0	21st	289·8	287·0	1st, 7th	295·5	*294·8*	+0·1	5	..
943	Masaka	0 21	31 47	?1280	..	..	..	303·9	305·2	sev. dates	283·9	283·0	sev. dates	293·9	*292·1*	0·0	65	+ 35
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	293·6	297·4	23rd, 25th	283·6	278·6	17th	288·6	..	..	15	— 4
944*a*	Zanzibar	6 10	39 11	21·9	1018·0	1020·6	+ 1·6	299·6	300·6	22nd	295·4	293·3	7th	297·5	*296·8*	−0·3	43	+ 15
945	Lamu	2 16	40 50	3·1	..	..	..	299·7	300·8	1, 2, 16	295·8	293·6	5th	297·7	*297·4*	−1·5	95	— 11
947	Seychelles, Port Office	4 37	55 27	4·6	1013·4	1014·0	+ 0·4	299·3	300·2	27th	297·4	296·1	4th	298·4	*297·7*	0·0	55	— 68
957	Padang	0 56	100 22	6·7	..	1010·5	0·0	..	..	..	..	..	..	..	..	..	217	— 5
958	Batavia	6 11	106 50	8·0	1009·3	1010·2	+ 0·1	304·0	305·7	3rd	296·1	294·4	6th, 27th	300·0	299·6	+0·7	61	— 19
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 1·0	..	..	..	..	..	..	..	..	..	140	— 28
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	— 41
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	2	..
962	Amboina	3 42	128 10	4·2	..	1010·5	− 0·1	..	..	..	..	..	..	..	..	..	335	—251
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	125	— 35
965	Daru	9 4	143 13	7·6	..	1010·8	− 0·6	298·3	..	..	297·0	..	..	297·7	*297·6*	−0·5	509	+394
966	Port Moresby	9 29	147 9	39·0	..	1010·5	− 1·0	302·7	..	..	296·0	..	..	299·3	*298·8*	+0·7	99	+ 74
967	Rabaul	4 9	152 12	20·7	..	1008·6	..	305·6	307·3	15th	295·6	294·7	2, 7, 13	300·6	*300·0*	+0·7	236	+129
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	499	+145
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·1	1010·3	+ 0·1	?302·8	304·7	28th	297·3	295·2	14th, 17th	?300·1	*?299·9*	0·0	758	+550
970	Ocean Island	0 52	169 35	54·0	1001·3	1007·5	+ 0·1	303·4	304·1	1, 14, 24	297·3	295·8	2, 12, 28	300·4	*299·8*	−0·3	208	+ 34

JULY—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1012·0	+ 0·1	301·8	304·1	16th	295·8	292·1	14th	298·8	298·4	+0·3	41	— 35
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	299·8	301·9	17th	292·8	288·6	11, 12, 13	296·3	*296·1*	+0·2	13	— 60
1021	Arequipa	16 22	71 33	2451	761·9	..	+ 0·7	293·1	295·3	17th	282·9	280·6	25th	288·0	*287·7*	+1·1	0	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·2	280·0	4th, 5th	..	*287·2*	..	0	..
1023					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	1001·9	1015·4	+ 0·8	301·6	305·6	29th, 30th	290·4	277·6	3rd	296·0	*295·8*	+1·5	0	+ 13
1026	Cuyaba	15 36	56 6	165	996·1	1015·2	+ 1·3	305·2	308·1	20th	288·0	280·3	4th	296·6	*295·3*	−2·1	19	— 8
1027	Bello Horizonte	19 55	43 57	895	920·6	1021·2	+ 1·9	296·9	300·0	1st	285·8	282·8	24th	291·3	290·8	+0·9	2	— 8
1028	Caetite	14 3	42 37	897	920·0	1020·1	+ 1·3	297·1	300·0	2nd	287·4	285·8	24th	292·2	*292·3*	−0·4	2	+127
1029	Ondina (Bahia)	13 0	38 31	46·6	1012·8	1018·3	+ 0·4	298·7	301·0	3rd	294·1	292·6	20th	296·4	*296·4*	−0·1	321	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	948·6	1018·4	+ 1·3	291·7	294·1	21st, 22nd	284·9	283·3	6th	288·3	*287·8*	+0·3	80	— 22
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	292·7	294·5	22nd, 23rd	283·0	278·8	7th, 9th	287·9	*288·7*	..	0	..
1041	Elizabethville	11 39	27 28	1236	882·3	1017·9	+ 1·8	301·6	302·4	25th	279·1	276·3	6th	290·3	..	+1·3	0	— 1
1042	Gwelo	19 28	29 48	1417	866·9	1022·5	+ 0·8	296·1	301·4	24th	279·1	276·3	3rd, 16th	287·6	..	+1·5	0	..
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡859·0	‡1020·4	+ 0·7	294·9	299·1	24th	278·1	274·1	4th	286·5	*285·7*	+0·1	1	+ 1
1044	Zomba	15 23	35 18	955	913·6	1020·7	+ 1·3	295·6	298·6	22, 23, 28	284·9	281·9	17th	290·3	*289·7*	+0·6	10	+ 0
1045	Antananarivo	18 55	47 32	1400	870·6	1026·3	+ 2·1	292·2	295·6	29th	281·2	277·7	22nd	286·7	*285·4*	−0·9	6	..
1046	Tamatave	18 10	49 24	5	..	..	..	296·1	297·5	..	289·5	283·0	..	292·8	*292·3*	..	296	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	292·2	290·8	..	..	..	..	60	..
1048	Antalaha	14 58	50 19	3	..	1018·1	..	..	..	..	..	..	..	..	..	..	..	—181
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·8	1014·3	+ 1·9	300·1	302·2	22nd	297·4	..	..	298·7	*298·4*	−0·2	81	— 32
1057	Christmas Island	10 25	105 43	5·5	1009·4	1010·0	+ 0·4	302·7	304·1	..	295·4	293·0	..	299·1	*298·2*	−0·4	95	— 53
1061	Kupang	10 10	123 34	45·1	..	1011·5	− 0·3	302·6	304·4	22nd	293·9	290·7	23rd	298·3	297·5	..	0	— 55
1061*a*	Derby	17 18	123 40	16·2	1014·1	1016·1	+ 0·9	300·6	303·9	20th	286·1	281·9	4th	293·3	..	−1·8	0	— 55
1062	Hall's Creek	18 13	127 46	374	973·7	1017·3	+ 0·7	297·6	302·1	20th	279·2	..	..	288·4	*287·7*	−2·7	0	— 55
1063	Darwin	12 28	130 51	29·6	1009·7	1013·1	+ 0·6	302·7	306·2	21st	291·8	286·8	2nd	297·2	*296·0*	−1·0	0	— 55
1064	Daly Waters	16 16	133 23	211	989·3	1013·9	− 0·9	299·6	305·2	21st	282·1	276·3	11th	290·9	*290·2*	−2·7	0	— 55
1065	Mein	13 13	142 47	122	997·3	1011·3	− 0·8	300·9	303·7	26th	290·2	281·9	29th	295·6	..	−0·8	8	+10
1066	Georgetown, Queensland	18 22	143 32	302	980·3	1015·4	− 0·3	298·6	304·8	20th	283·4	273·7	29th	291·0	..	−2·1	23	..
1066*a*	Willis Island	16 18	149 59	8·5	1012·6	1013·6	..	297·6	299·2	16th	294·7	292·4	30th	296·1	*295·8*	..	119	—154
1067	Samarai	10 37	150 40	15·2	..	1011·4	− 0·4	301·1	..	..	296·7	..	..	298·9	*298·7*	+0·7	125	— 54
1072	Suva, Fiji	18 8	178 26	6·1	1014·6	1015·4	− 0·1	299·5	302·4	31st	292·5	289·7	26th, 28th	296·0	*295·8*	−0·1	96	— 24
		S.	E.														mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

JULY—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	297·2	300·2	17th	291·9	287·4	1st	294·5	*294·3*	+0·2	267	+189
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·0	1018·3	+ 0·6	286·8	288·6	22nd	282·4	279·5	22nd	284·6	*284·4*	−0·4	19	— 9
1122	Iquique	20 12	70 11	9	1015·6	1016·7	+ 0·5	289·4	292·0	13th	285·1	282·8	4th	287·3	*287·9*	−1·0	0	— 1
1123	Catamarca	28 27	65 47	510	955·8	1015·2	− 1·2	293·7	303·1	29th	280·6	271·0	3rd	287·1	286·3	+1·3	11	+ 7
1124	Salta	24 46	65 28	1178	880·7	1012·0	− 2·7	295·4	304·3	30th	278·4	267·0	3rd	286·9	286·6	+1·9	4	+ 3
1125	Goya	29 9	59 15	26	1012·5	1015·6	− 0·1	294·5	301·4	29th	287·0	278·5	1st	290·7	290·0	+2·9	79	+ 35
1126	Asuncion	25 21	57 37	93	1005·9	1016·8	+ 0·4	298·9	308·5	29th	288·8	280·0	1st	293·9	292·3	+0·9	139	+ 83
1127	Curityba	25 25	49 17	908	918·2	1021·7	+ 0·7	291·8	296·4	31st	281·7	274·5	5th	286·8	*285·7*	+0·5	21	— 44
1128	Rio de Janeiro	22 54	W43 10	**	‡1014·9	‡1022·0	+ 2·0	296·4	301·0	15th	290·3	286·9	20th	293·4	292·9	−0·1	27	— 16
1139	Windhoek	22 34	E 17 5	1669	..	..	..	294·1	297·0	28th	281·4	277·4	20th	287·8	*287·6*	+1·7	0	— 1
1140																		
1141	Kimberley	28 42	24 47	1202	889·1	1025·4	+ 1·1	292·9	298·0	30th	275·7	270·8	21st	284·3	283·7	+1·1	0	— 8
1141*a*	Johannesburg	26 11	28 4	1806	827·9	1024·6	+ 1·2	290·2	294·2	31st	278·8	275·4	12th	284·5	*284·0*	+1·2	0	— 8
1142	Bulawayo	20 9	28 35	1340	874·0	1022·0	+ 1·0	294·7	299·4	24th	281·0	278·5	31st	287·9	*287·5*	+0·9	0	— 1
1143	Durban	29 52	31 3	15·2	1022·8	1024·6	+ 0·7	295·8	301·2	18th	285·4	282·3	2nd	290·6	*290·1*	+0·3	5	— 26
1144	Lourenço Marques	25 58	32 36	59	..	1023·9	+ 1·1	297·7	303·6	31st	286·3	283·6	16th	292·0	291·7	+0·6	5	— 9
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	285·3	283·0	..	..	..	..	107	+ 40
1146	Fort Dauphin	25 2	46 58	25	..	1025·5	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1016·0	1022·5	+ 2·1	295·9	297·0	2nd	289·4	285·9	16th	292·7	292·4	−0·5	23	— 40
1159	Onslow	21 43	114 57	4·3	1016·1	1017·0	+ 0·6	297·3	301·7	25th	280·8	277·6	3rd	289·1	..	−1·8	7	— 17
1160	Cue	27 27	117 52	454	964·8	1017·9	− 1·2	289·7	295·3	27th	277·9	274·4	1st	283·8	..	−1·8	18	— 7
1161	Nullagine	21 53	120 5	386	972·6	1018·0	+ 0·3	294·4	299·1	13th	276·9	271·1	9th	285·7	..	−2·9	1	— 12
1162	Laverton	28 40	122 23	466	965·1	1020·3	0·0	289·6	296·4	29th	276·1	272·4	1, 17, 22	282·8	*282·7*	−1·6	11	— 6
1163	Alice Springs	23 38	133 37	587	949·9	1018·8	− 1·9	290·6	296·3	20th	274·2	270·2	2nd	282·4	*282·1*	−2·0	0	— 10
1164	William Creek	28 55	136 21	76·2	1009·3	1018·6	− 2·0	291·2	298·0	14th	275·4	272·2	26th	283·3	*283·0*	−1·0	1	— 6
1164*a*	Boulia	22 55	139 38	146	999·4	1016·9	− 0·6	293·5	301·2	21st	277·9	274·1	10th	285·7	*285·4*	−1·7	0	— 9
1165	Thargomindah	27 58	143 43	123	1001·6	1016·5	− 2·9	291·3	298·1	15th	277·3	271·8	3rd	284·3	*284·0*	−1·0	0	— 13
1166	Mitchell	26 32	147 52	336	977·1	1017·2	..	291·1	296·3	21st	276·0	270·8	19th, 20th	283·6	..	−0·5	12	— 23
1167	Rockhampton	23 24	150 30	11·3	1015·1	1016·3	− 2·1	294·9	300·5	16th	283·1	277·4	10th	289·0	..	−0·6	81	+ 43
1168	Brisbane	27 28	153 2	41·7	1011·9	1016·9	− 1·5	292·2	294·9	30th	282·0	276·8	10th	287·1	*286·7*	−0·6	65	+ 6
1170	Norfolk Island	29 4	167 59	15·2	1014·8	1016·5	− 0·5	291·8	294·7	11th, 12th	287·3	283·6	16th	289·6	*289·2*	+0·4	205	+ 44
		S.	E.														mm.	mm.

JULY—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	288·9	298·2	6th	284·3	282·2	sev. dates	286·6	*287·0*	+0·7	249	+ 96
1221*a*	Punta Tumbes	36 37	73 6	120	1001·4	1016·0	− 1·4	285·7	290·0	1st	281·2	277·2	15th	283·5	*283·8*	+0·1	157	+ 73
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1012·6	1017·6	− 0·4	287·7	294·0	12th	281·6	278·8	5th, 15th	284·7	*284·6*	−0·4	72	— 35
1222*a*	Santiago	33 27	70 42	520	956·2	1017·9	− 0·6	288·3	295·7	1st	276·8	272·8	19th	282·5	*281·5*	+0·7	53	— 27
1223	Cordoba	31 25	64 12	423	966·3	1016·0	− 1·0	292·0	301·1	..	280·1	268·9	..	286·1	285·6	+2·4	10	+ 2
1224	Bahia Blanca	38 45	62 15	25	1014·2	1017·4	+ 0·9	287·4	295·4	29th	280·3	271·0	2nd	283·9	283·6	+2·5	5	— 20
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·8	1018·8	+ 0·1	289·8	297·4	30th	283·3	274·6	16th	286·5	286·3	+3·9	161	+105
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1018·8	+ 0·7	289·4	297·5	30th	284·8	276·9	17th	287·1	*287·0*	+3·1	49	— 20
1226*a*	Porto Alegre	30 2	W51 13	23·5	1015·8	1018·6	− 1·2	295·2	303·2	30th	285·2	279·2	6th	290·2	289·8	+3·2	74	— 21
1239	Cape Town	33 56	E 18 29	12·2	..	1021·8	+ 0·5	290·6	299·1	12th	282·1	276·3	25th	286·3	*285·0*	+0·7	59	— 34
1240	Danger Point	34 37	19 18	27·7	1018·6	1022·0	..	289·6	294·9	14th	283·1	280·2	12, 20, 29	286·3	..	+0·4	44	— 39
1241	Riversdale	34 6	21 16	30·5	1009·5	1013·2	..	293·6	301·3	14th	278·5	273·6	6th, 12th	286·1	..	..	43	+ 13
1242	East London	33 0	27 55	44·8	..	1020·5	− 0·5	295·3	304·1	30th	283·4	279·7	26th	289·3	..	+1·2	54	+ 29
1259	Perth (Observatory)	31 57	115 51	60·0	1010·4	1017·9	− 1·0	289·2	292·8	9th	280·6	275·8	15th	284·9	*285·0*	−1·0	188	+ 22
1260	Katanning	33 42	117 35	310	979·4	1017·0	− 0·9	286·3	288·8	27th	276·9	273·1	15, 18, 26	281·6	..	−1·2	78	0
1261	Coolgardie	30 57	121 10	423	968·7	1019·0	− 0·5	287·8	293·4	27th	277·2	273·1	15th	282·5	*282·4*	−1·2	35	+ 12
1262	Eucla	31 45	128 58	4·6	1016·8	1017·5	− 2·0	289·7	298·8	29th	279·7	276·3	18th	284·7	*284·5*	−0·7	29	+ 6
1263	Streaky Bay	32 48	134 13	13·1	..	1017·4	− 2·5	288·4	293·0	29th	280·3	274·9	25th	284·4	*284·2*	−0·2	62	+ 2
1264	Adelaide	34 56	138 35	42·7	1012·0	1017·3	− 3·0	287·5	293·2	30th	280·0	275·6	25th	283·9	*283·8*	0·0	107	+ 40
1265	Melbourne	37 49	144 58	35·1	1012·3	1016·6	− 2·5	286·9	291·9	31st	279·1	274·4	3rd, 4th	283·0	*282·8*	+0·8	68	+ 22
1266	Bourke	30 13	145 58	110	1006·4	1019·8	− 2·5	290·8	296·3	15th	277·7	271·9	3rd	284·2	..	+0·1	10	— 13
1267	Sydney	33 51	151 13	42·1	1010·5	1015·6	− 2·8	289·7	291·9	6th, 22nd	281·1	276·8	1st	285·4	..	+0·9	275	+152
1268	Lord Howe Island	31 20	159 0	4·6	1015·6	1016·1	− 0·7	291·6	296·9	8th	286·2	281·3	15th	288·9	..	0·0	195	— 7
1271	Auckland	36 50	174 50	38·1	..	1017·2	+ 2·4	286·7	289·7	11th	280·7	277·2	24th	283·7	..	−0·2	43	— 85
1272	Napier	39 32	176 53	21·3	..	1016·7	+ 4·9	285·7	292·4	11th	277·4	273·6	4th, 26th	281·6	..	−0·8	84	— 13
		S.	E.														mm.	mm.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1008·5	..	..	..	..	..	..	..	..	..	..	60	— 52
1321	Isla Guafo	43 34	74 45	140	991·1	1008·0	− 6·3	282·9	284·8	21st	279·4	276·5	10th	281·1	*281·4*	+0·5	78	— 30
1322	Punta Galera	40 1	73 44	40	1008·2	1013·1	− 2·4	284·2	286·0	26th	280·9	277·0	15th	282·5	*283·1*	+0·7	519	+195
1324	Sarmiento	45 30	69 0	274	975·1	1007·0	− 6·1	282·0	288·8	27th	272·9	267·5	17th	277·5	277·4	+1·2	17	— 4
1365	Punta Madryn	42 49	W64 58	14	1012·0	1013·4	− 0·3	287·1	290·3	6th	276·5	271·4	17th	281·8	282·1	+1·9	7	— 5
1366	Launceston	41 27	E147 10	10·1	1014·4	1015·7	+ 1·1	286·6	290·5	15th	276·9	270·5	2nd, 3rd	281·7	*281·3*	+1·7	57	— 21
1370	Hobart	42 53	147 20	53·9	1009·7	1016·3	+ 2·7	285·0	288·6	31st	278·3	274·2	3rd	281·7	*281·3*	+1·3	153	+ 99
1371	Invercargill	46 25	168 21	3·7	..	..	..	282·3	286·3	11th	273·6	267·4	7th	277·9	..	−0·3	60	— 22
1371*a*	Dunedin	45 52	170 31	91·4	..	1018·5	+ 6·6	282·5	287·4	10th	275·7	271·9	14th, 29th	279·1	..	+0·4	35	— 41
1372	Christchurch	43 31	172 39	7·6	..	1018·6	+ 5·2	282·9	293·6	11th	273·4	269·6	23rd	278·2	..	−0·7	33	— 38
	Wellington	41 16	174 46	3·1	..	1018·8	+ 5·6	285·3	288·0	11th	278·4	272·4	31st	281·9	..	+0·2	43	—100
		S.	E.														mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.
** Height changed from 61·4m. to 33·0m. from July 14th.

JULY—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	989·1	995·8	— 6·1	279·5	281·9	1st	275·5	271·0	10th	277·5	*277·4*	+0·5	394	+150
1422	Puerto de Punta Arenas	53 10	70 54	28	995·0	998·5	— 4·7	277·6	281·0	17th	273·7	269·0	11th	275·7	*276·1*	+1·6	62	+ 32
1423	Punta Dungeness	52 24	68 26	5	997·5	998·1	— 4·1	279·0	282·9	17th	273·9	267·5	13th	276·5	*276·6*	+1·1	18	— 0
1424	Santa Cruz	50 11	68 21	12	1000·0	1001·1	— 5·5	279·8	285·3	4th	272·4	261·0	13th	276·1	276·1	+1·4	13	— 4
1424*a*	Año Nuevo‡	54 39	64 8	50	..	..	..	278·0	279·8	4th, 18th	272·3	267·2	14th	275·1	*276·0*	+0·8	81	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1001·1	..	279·1	281·3	4th	..	..	..	..	‡277·2	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1000·9	1003·5	+ 0·9	278·6	280·8	11th	274·4	271·9	23rd	276·5	276·9	+1·3	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1000·4	1000·9	+ 2·9	276·3	282·4	3rd	270·1	265·0	1st	273·2	*273·2*	+2·0	100	— 39
	JULY—ZONE 15.														Between Latitude 60° S. and 70° S.			
1527	South Orkneys	60 44 S.	44 39 W.	7	992·6	993·5	— 1·1	269·4	274·4	20th	262·2	249·6	28th	265·8	266·2	+3·8	40	+ 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—JULY 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	9h.
1	SE	8·3	ESE 3	WNW 1	SE 2	S 1	S 1	ESE 4	..	SE 2	E 4	Calm 0	SE 2
2	SSE	8·8	E 4	SE 1	SE 1	W 1	SW 1	ESE 5	..	..	SW 2	E 2	NE 1
3	SSE	10·0	SE 4	NW 1	SE 1	S 1	SE 1	ESE 4	..	SE 2	Calm 0	SW 3	NNE 1
4	SE	9·4	E 3	Calm 0	SSW 3	S 1	S 1	ENE 4	..	SE 2	E 2	E 1	E 3
5	SE	8·2	SE 4	SSW 1	SW 1	S 2	S 1	ENE 5	..	Calm 0	E 1	E 1	NW 5
6	SE	8·4	ESE 4	SW 1	SW 1	S 1	S 1	E 6	..	Calm 0	E 1	E 2	SW 4
7	SE	7·0	ESE 3	Calm 0	Calm 0	S 1	S 1	E 5	..	Calm 0	E 3	S 3	SE 5
8	ESE	5·5	E 3	Calm 0	WSW 3	S 1	SW 2	NE 4	..	Calm 0	ESE 1	E 3	SE 7
9	ESE	4·4	ENE 1	Calm 0	Calm 0	SE 1	SE 1	NE 4	..	..	ENE 2	ENE 1	SE 7
10	Calm	2·6	ESE 3	N 1	SW 1	S 1	S 1	ENE 4	..	SE 4	Calm 0	ENE 2	SE 7
11	Calm	1·4	ESE 4	WSW 1	WSW 1	SE 1	SW 1	ESE 6	..	SE 4	ENE 1	Calm 0	NE 3
12	Calm	1·2	E 5	Calm 0	Calm 0	N 1	W 1	ESE 6	..	..	E 1	Calm 0	ENE 3
13	Calm	0·6	E 4	S 1	SW 2	W 2	SE 2	ESE 5	..	SE 2	E 1	E 2	ENE 1
14	SE	6·6	ESE 3	ENE 1	SW 1	E 2	S 1	ESE 6	..	SE 2	E 2	E 3	N 2
15	SE	7·4	SE 3	SW 1	SW 2	S 1	SW 1	ESE 7	..	SE 2	ESE 3	ESE 3	ESE 3
16	SSE	6·6	ESE 4	Calm 0	SSW 2	S 1	S 1	ESE 6	..	..	E 5	E 1	E 3
17	SE	5·9	ESE 4	Calm 0	SSW 1	S 1	S 1	E 5	..	SE 2	E 3	E 2	ESE 3
18	SSE	4·2	SE 4	Calm 0	Calm 0	S 1	SW 1	E 6	..	SE 4	E 4	E 3	NNE 1
19	SSE	1·9	SE 5	Calm 0	SW 4	W 1	W 1	E 6	..	SE 4	E 2	E 3	N 1
20	Calm	1·0	SE 3	Calm 0	SW 3	S 1	S 1	E 6	..	SE 2	E 5	E 4	N 1
21	Calm	1·8	SE 5	SW 2	SSW 1	S 1	SW 1	ESE 7	..	SE 2	E 3	E 2	NW 6
22	Calm	1·3	ESE 3	SW 2	S 3	W 1	S 1	ESE 6	..	SE 2	E 3	E 2	SW 3
23	SSE	7·2	SE 4	Calm 0	SW 3	SE 1	S 1	ESE 5	..	..	E 2	E 3	SW 2
24	SSE	9·0	SE 3	Calm 0	SW 3	E 1	S 2	E 4	..	SE 2	E 2	E 2	SE 4
25	SE	8·3	SE 3	Calm 0	Calm 0	SE 1	SE 1	E 5	..	Calm 0	E 2	E 2	SE 4
26	SE	7·3	SE 3	WSW 2	WSW 2	W 1	W 1	ESE 7	..	Calm 0	E 1	E 1	SE 4
27	SE	4·5	SE 3	Calm 0	WSW 2	NW 1	SE 1	ESE 5	..	Calm 0	SE 2	E 2	SE 2
28	SE	3·2	SE 3	Calm 0	SW 2	S 1	S 1	ESE 4	..	Calm 0	E 1	E 1	Calm 0
29	SE	5·3	SE 4	Calm 0	SW 1	SE 1	W 1	ESE 5	..	Calm 0	E 2,	E 2	N 2
30	SSE	7·7	SE 3	SW 2	SW 5	SE 1	W 2	ESE 5	..	..	E 1	E 1	SSW 5
31	SE	8·1	SE 3	WSW 2	WSW 2	N 1	NW 1	ESE 5	..	Calm 0	E 1	E 3	..
Mean	..	5·6	3·5	0·6	1·7	1·1	1·1	5·2	..	1·5	2·0	1·9	3·0
§Resultant	140° (72)	..	120° (93)	220° (47)		190° (61)		100° (89)		135° (59)	95° (83)		100° (30)
§Normal	139° (86)	6·9	‖118° (75)	261° (37)		240° (26)		92° (88)		132° (88)	‖100° (58)		98° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—JULY 1922.

‡‡*Kara Sea.*—The area covered was 209 × 10^3 sq. km. compared with a normal of 240 × 10^3 sq. km.

‡‡*Barents Sea* was nearly free of ice and possibly open water extended to Frans Joseph Land. The area covered was 255 × 10^3 sq. km., compared with a normal of 519 × 10^3 sq. km.

‡‡*Spitsbergen.*—The coasts of West Spitsbergen were free of ice except for scattered ice in Olga Strait, a scattered ice belt from South Cape to Icefjord, and round the northwest point. South of Northeastland the ice was heavy; to the northeast there was scattered ice, but elsewhere the sea was open.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 4 days visible.

‡‡*Greenland Sea and Denmark Strait.*—Owing to northeasterly winds the ice edge was much more westerly than usual. Towards the 31st the ice drifted out of Young's Inlet and the northern part of Gael Hamkes Bay. At Angmagsalik the ice was first scattered, then close, but finally it scattered everywhere and open water became visible in the offing. The area covered was 510 × 10^3 sq. km. compared with a normal of 718 × 10^3 sq. km.

‡‡*N. Atlantic and Labrador.*—Twenty-one icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 26; their distribution was similar to that of June. There were many icebergs in Belle Isle Strait, and off the coasts of Belle Isle and South Labrador they formed a 300 miles wide belt intermingled with vast ice fields. Further north the ice was scattered and narrow. In Gray Strait the ice was packed.

‡‡*Davis Strait and Baffin Bay.*—A scattered ice belt occurred from Cape Farewell to Julianehaab Bay and a little scattered ice south of Nunarsuit, but from here to Upernivik the coast was free of ice. Icebergs were numerous everywhere, and extended to 35°W., which is more easterly than usual, and to 150 miles south of Cape Farewell, which is 30 miles further south than has ever been recorded before during the 40 years observations. Frobisher Bay was almost free of ice on the 28th, but Cumberland Sound was full of ice and between the two, open water reached close to the coast.

‡‡*Melville Bay.*—The firm ice reached Cape Sedden.

‡‡*Bering Strait.*—Towards the 31st the ice was lying firm and close along the north coast of Alaska to a little north of Cape Lisburne, but drifting north at 1–3 miles per day. The sea was free of ice along the north coast of Siberia from East Cape to Cape Serdzekamen.

‡‡ *Isforholdene i de Arktiske Have*, 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, AUGUST 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF AUGUST 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **AUGUST—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1008·4	..	278·8	289·1	6th	272·6	266·3	31st	275·7	..	—1·1	15	— 5
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1006·6	1008·9	— 2·3	279·0	287·3	15th	273·2	270·7	19, 22, 26	276·1	*275·6*	—2·3	35	+ 7
125	Jan Mayen	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
135	Spitsbergen(GreenHarbour)	70 59	W 8 18	23·1	1008·0	1010·8	..	..	285·9	31st	277·6	274·5	5th	..	*279·2*	..	25	..
139	Björnöen	78 2	E 14 14	11·4	1013·9	1015·3	+ 2·8	..	282·3	6th	277·2	274·4	18th	..	278·7	+1·7	13	— 8
140	Gjesvaer	74 28	19 15	40·5	1010·0	1015·0	..	..	..	..	..	..	..	..	..	..	..	..
141	Mehavn	71 6	25 22	6·5	1011·6	1012·4	+ 1·9	..	294·3	25th	283·0	279·5	17th	..	*278·7*	..	16	..
142	Vardö	71 1	27 47	4·6	1012·2	1012·8	+ 2·3	..	293·4	25th	281·0	277·8	16th	..	*283·9*	+1·2	51	— 1
143	Malye Karmakouly	70 22	31 8	6·8	1012·4	1013·2	+ 1·5	..	287·6	28th	281·5	278·8	18th	..	*282·8*	+1·0	50	— 4
147	Waigatz	72 23	52 43	14·8	1013·5	1015·3	+ 3·6	283·0	292·5	5th	278·4	272·7	30th	280·7	*280·7*	+1·5	7	— 36
148	Dickson	70 24	58 47	11·2	1011·8	1013·1	+ 2·5	281·8	292·2	6th	277·4	273·7	30th	279·6	*279·4*	..	17	..
153		73 30 N.	80 23 E.	13	1011·1	1012·7	..	280·6	290·5	2nd	276·4	270·3	26th	278·5	..	..	67	..

Between Latitude 70° N. and 60° N. **AUGUST—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1007·1	— 1·9	283·6	291·9	20th	278·1	270·8	29th	280·8	*280·7*	—2·1	138	+ 58
204	Candle	65 55	161 57	2·4	..	..	..	286·2	291·3	20th	278·5	270·2	29th	282·3	..	—1·0	..	..
205	Tanana	65 10	152 6	67·1	..	1009·8	+ 0·7	290·3	297·4	8th, 9th	278·3	266·9	30th, 31st	284·3	*284·5*	—0·7	30	— 24
206	Rampart	65 30	150 15	122	..	..	..	289·1	298·6	7th	277·9	268·6	31st	283·5	..	—2·6	10	— 27
207	Valdez	61 7	146 16	8·2	..	1011·8	— 1·9	286·3	290·2	14th, 19th	279·7	273·6	31st	283·0	*282·9*	—0·8	210	+ 72
208	Dawson	64 46	141 12	254	..	1011·5	+ 1·8	291·6	300·2	7th	277·2	264·1	30th	284·4	*285·0*	—0·2	17	— 33
209	Carcross	64 4	139 20	328	970·9	1009·8	— 3·4	291·3	299·7	7th	276·9	264·7	30th, 31st	284·1	..	—1·3	35	— 1
210	Fort Good Hope	66 11	134 34	662	..	..	..	291·6	297·4	1st	275·0	267·4	31st	283·3	..	—0·4	14	— 7
211	Fort Simpson	66 15	128 31	65·2	1004·4	1012·5	..	290·6	299·1	3rd	278·2	267·4	31st	284·4	..	..	76	+ 58
212	Hay River	60 51	115 57	161	991·2	1010·1	+ 0·3	290·6	296·9	3rd	285·7	277·4	20th	288·1	..	+1·2	69	+ 32
225	Jacobshavn	69 13	51 2	12·6	1007·1	1008·6	— 1·8	281·8	286·6	17th	275·8	272·2	11th	278·8	*278·6*	—1·0	48	+ 12
226	Godthaab	64 11	51 43	9·0	1004·0	1005·1	— 4·3	284·0	294·2	4th	276·3	273·2	29th	280·1	*279·5*	+0·3	119	+ 40
227	Ivigtut	61 12	48 10	13·0	1005·8	1007·4	— 2·4	285·8	292·9	4th	278·2	273·6	25th	282·0	*281·7*	+0·2	91	— 5
229	Angmagsalik	65 37	37 33	31·7	1005·0	1008·9	— 3·4	282·3	286·6	3rd	274·8	272·9	1, 27, 28	278·5	*278·0*	—0·8	52	— 8
231	Stykkisholm	65 5	22 46	25	1003·5	1006·5	— 3·3	285·9	289·6	7th	279·0	274·8	25th	282·5	*282·0*	—0·2	71	+ 30
232	Vestmanno	63 24	20 17	132	990·6	1006·6	— 2·4	286·4	291·2	6th	280·0	277·6	27th	283·2	*282·1*	—0·4	102	+ 24
233	Grimsey	66 33	18 1	22·0	1004·3	1007·0	— 3·7	282·5	286·7	8th	278·6	274·9	27th	280·5	*280·1*	+0·3	30	— 2
234	Akureyri	65 40	18 5	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1005·2	1007·4	— 2·1	284·9	288·2	4th, 10th	279·0	275·9	28th	281·9	*281·5*	+0·1	242	+162
236	Thorshavn	62 3	6 45	26·3	1005·4	1008·6	— 1·3	285·1	288·2	17th	280·3	278·0	2nd	282·7	*282·4*	—0·8	39	— 53
237	Lerwick	60 9	W 1 11	46·9	1004·0	1009·7	— 0·1	285·9	287·4	2nd, 28th	281·4	279·1	19th	283·7	*283·8*	—0·9	112	+ 36
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1003·1	1008·4	— 2·3	288·6	297·2	30th	282·7	280·6	22nd	285·7	*285·5*	—1·2	181	+ 22
239	Aalesund	62 28	6 10	6·3	1007·7	1008·5	— 1·9	..	292·6	30th	283·4	281·1	12th	..	*285·2*	—0·6	99	— 13
240	Trondhjem	63 26	10 25	39·5	1004·1	1008·9	— 1·6	289·8	298·1	31st	282·6	278·2	12th	286·2	*285·9*	—0·1	35	— 40
241	Bodö	67 17	14 24	22·3	1007·0	1009·7	— 0·2	..	293·0	31st	283·3	280·8	23rd	..	..	*286·1*	+1·0	52	— 25
242	Haparanda	65 50	24 9	9·2	1009·9	1011·0	+ 0·8	289·2	293·0	24th	282·0	277·5	18th	285·6	*285·5*	—0·3	54	0
243	Helsingfors	60 10	24 57	11·7	1010·0	1011·5	+ 1·3	291·0	293·8	31st	284·9	281·3	17th	288·0	287·9	—0·4	117	+ 43
244	Kuopio	62 54	27 40	90·3	1000·0	1010·8	— 0·7	289·9	294·5	1st	283·7	279·5	15th	286·8	*287·0*	+0·2	74	+ 1
245	Kola	68 53	33 1	6·7	1011·9	1012·7	+ 2·2	288·8	294·3	25th	281·0	272·2	19th	284·9	*284·9*	+1·1	79	+ 35
246	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Arkhangelsk	64 34	40 31	6·3	1010·7	1011·5	+ 0·5	291·2	299·0	4th	283·0	277·0	20th	287·1	*286·8*	+0·3	77	+ 15
248	Mezen	65 50	44 16	14·9	1009·5	1011·3	+ 1·1	290·3	298·4	5th	281·4	274·3	22nd	285·8	*285·6*	+1·4	101	+ 49
	Oust-Tsylma	65 25	52 18	? 68	1002·7	1010·9	+ 0·2	289·7	300·4	6th	281·1	273·0	26th	285·4	*284·7*	+0·3	114	+ 54
249	Tcherdyn	60 24	56 31	?177	990·0	1011·0	+ 0·4	292·8	301·8	9th	282·5	274·2	27th	287·6	*287·4*	+0·3	78	+ 12
250	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1003·5	1008·2	— 0·3	..	301·1	11th	282·8	272·5	29th	..	*287·1*	+0·3	123	+ 41
253	Doudinka	69 23	86 4	20	1005·6	1008·0	+ 0·5	..	294·6	11th	280·1	273·8	30th	..	*284·0*	—0·3	66	+ 16
254	Touroukhansk	65 47	87 57	? 45	1003·2	1008·6	— 1·3	..	297·0	2nd, 12th	283·1	275·3	31st	..	*287·1*	+1·8	137	+ 81
261	Villouisk	63 45	121 35	120	..	..	..	..	..	..	..	278·8	..	..	*285·6*	—1·7	9	— 32
262	Iakoutsk	62 1	129 43	98	993·6	1005·3	— 2·2	..	299·4	7th	279·4	274·5	14th, 30th	..	*285·9*	—2·0	17	— 32
263	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

AUGUST—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1008·4	+ 0·3	282·9	284·1	4, 16, 23	279·1	276·3	30th	281·0	..	—0·1	49	— 39
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1010·1	— 2·1	286·6	293·0	19th	279·9	274·1	9th	283·3	*282·9*	—0·5	54	— 28
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	?288·2	..	..	?279·3	..	..	?283·7	..	—1·9	..	— 18
306	Kodiak (Radio)	57 46	152 22	6·1	..	1009·8	— 1·2	289·5	293·0	13th	281·1	278·6	sev. dates	285·3	*284·7*	+0·2	128	— 18
307	55°—50°N. 150°—145°W.	††51 19	††148 6	§(18)	..	1016·6	— 1·7	..	..	Sea Temp. 285·2 | 0·0	..	..	..	285·2	0·0	..	..
309	Sitka	57 3	135 19	27·4	..	1015·2	— 0·6	290·6	294·7	10th	283·0	279·1	27th	286·8	*286·8*	+0·7	182	+ 1
310	Prince Rupert	54 18	130 18	51·8	1010·8	1017·0	— 0·2	291·3	294·1	15th	283·0	279·7	28th	287·2	*287·2*	+0·4	46	— 88
311	Barkerville	53 2	121 35	1274	870·1	1011·5	— 1·2	291·9	296·3	1st	279·1	274·7	24th	285·5	*285·1*	+0·6	45	+ 7
312	Kamloops	50 42	120 29	385	971·5	1015·8	— 0·9	299·7	308·6	1st	285·8	281·9	21st	292·7	*293·0*	—0·3	35	— 28
313	Calgary	51 2	114 2	1045	895·0	1010·7	— 0·4	299·7	308·0	2nd	281·3	276·3	22nd	290·5	*289·7*	+2·3	36	— 12
314	Fort Chipewyan	58 42	111 10	218	983·7	1008·8	— 2·3	293·3	303·6	19th	283·4	274·7	28th, 29th	288·3	*288·9*	+0·8	32	+ 19
315	Prince Albert	53 10	105 38	442	960·4	1011·4	— 0·2	297·4	307·4	1st	283·6	276·3	28th	290·5	*289·9*	+2·2	76	+ 36
316	Qu'Appelle	50 30	103 47	645	937·2	1010·4	— 1·0	298·6	305·2	2, 3, 4	284·1	276·9	25th	291·3	*290·5*	+1·9	87	+ 0
317	Minnedosa	50 15	99 50	515	953·1	1012·1	— 0·6	297·4	305·2	3rd	284·1	275·2	29th	290·8	*290·2*	+1·9	59	..
318	Berens River	52 18	97 23	216	..	..	..	294·0	297·4	2nd, 14th	281·3	277·4	16th	287·7	..	—2·3	..	..
318*a*	Port Nelson	57 4	92 36	14·9	1008·6	1010·4	— 0·2	290·8	301·3	1st	297·7	272·4	5th	285·2	..	+0·5	72	— 0
319	Fort Hope	51 33	87 49	‡260	981·2	1011·9	— 0·9	293·6	304·1	14th	281·3	272·4	27th	287·4	*287·4*	+0·4	111	+52
320	Moose Factory	51 14	80 30	9·1	1011·5	1012·6	+ 0·6	293·0	301·3	14th	280·8	271·3	29th	286·9	..	—1·1	59	+10
321	Fort George	53 50	79 5	97·5	..	..	..	288·7	293·6	14th	..	..	..	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	292·4	298·8	3rd	279·1	273·8	31st	285·7	..	—1·1	101	+ 6
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	290·9	296·2	5th	282·4	273·6	17th	286·7	..	+0·4	90	+ 3
326	Belle Isle	51 53	55 23	133	995·8	1011·8	+ 0·2	286·0	290·2	29th	280·2	276·9	24th	283·1	*282·9*	—0·8	42	—110
333	53°—48°N. 20°—15°W.	††50 35	††17 20	§(50—57)	..	1012·4	..	..	..	Sea Temp. 287·4 | —1·9	..	..	..	287·3	..	..	..	..
333*a*	62°—57°N. 20°—15°W.	††59 20	††17 23	§(29)	..	..	..	..	..	284·3 | —1·2	..	..	..	284·2	..	..	..	..
334	Cahiriveen (Valentia Obs.)	51 56	10 15	13·7	1012·4	1014·1	— 0·1	288·9	291·3	4th	284·2	280·2	29th	286·6	286·6	—1·3	135	+12
335	Aberdeen	57 10	W 2 6	26·8	1007·3	1010·5	— 0·9	287·9	295·2	19th	282·3	280·2	11th	285·1	285·0	—1·1	60	— 15
336	Greenwich	51 28	0 0	46·3	1008·9	1014·3	— 0·9	293·5	298·6	21st	283·0	279·1	26th	288·3	287·6	—1·6	59	+ 3
337	Uccle	50 48	E 4 22	100	1002·8	1014·7	— 0·9	294·2	300·1	29th	284·0	279·8	16th	289·1	288·1	—1·1	96	+ 22
338	De Bilt	52 6	5 11	3·0	1013·7	1014·1	— 1·1	292·8	298·2	22nd	283·4	279·3	4th, 16th	288·1	287·9	—1·7	52	— 16
338*a*	Hamburg	53 33	9 58	40·3	1008·7	1013·5	— 0·2	292·4	298·9	30th	285·1	281·3	27th	288·7	*288·6*	—1·2	68	— 15
339	Copenhagen (Meteor. Inst.)‡	55 41	12 36	5·0	1011·1	1011·7	— 1·2	291·9	296·6	30th	284·2	280·5	26th	288·1	*287·5*	—0·5	85	— 15
340	Potsdam	52 23	13 4	84·9	1004·4	1014·5	— 0·2	294·1	303·2	30th	284·4	280·8	28th	289·3	288·8	—0·9	43	— 13
340*a*	Uppsala	59 51	17 38	24	1007·2	1010·1	— 0·4	291·7	297·2	30th	282·6	277·8	20th	287·1	286·9	—0·8	85	— 13
341	Warsaw	52 13	21 1	133	999·9	1015·6	+ 0·5	295·1	302·3	1st	284·9	281·1	20th	290·0	289·9	—1·0	52	+ 5
342	Tartu (Dorpat)	58 23	26 43	74·5	1004·1	1013·0	+ 1·5	293·2	299·5	3rd	284·1	279·6	14th	288·6	287·6	—0·6	125	
343	Petrograd	59 56	30 16	4·8	1011·6	1012·2	+ 1·3	292·2	297·1	3rd	285·3	280·6	17th	288·8	*288·7*	+0·1	87	+ 18
344	Kiiv	50 27	30 30	183	994·2	1015·6	+ 1·7	297·3	305·8	9th	286·5	282·5	14th	291·9	*291·1*	—0·1	73	+ 48
344*a*	Moscow	55 50	37 33	167	994·7	1014·5	+ 2·1	294·6	301·1	3rd	283·7	277·8	24th	289·2	*288·8*	0·0	122	+ 18
345	Saratov	51 33	45 57	?122	998·7	1013·0	+ 1·3	297·0	306·1	11th	286·3	281·2	29th	291·6	*291·6*	—2·0	48	— 13
346	Kazan	55 47	49 8	79·9	1003·6	1013·0	+ 1·5	296·9	306·5	5th	285·9	278·7	28th	291·4	*290·8*	+0·4	36	— 0
347	Orenburg	51 45	55 6	109	999·6	1012·4	0·0	297·7	305·5	5th	285·3	278·6	29th	291·5	*291·4*	—1·3	28	
348	Perm	58 1	56 16	103	993·2	1012·6	+ 1·8	293·3	301·5	11th	281·7	272·2	28th	287·5	*288·0*	—0·1	75	
349	Sverdlovsk	56 50	60 38	281	978·6	1011·8	+ 2·1	292·5	301·1	12th	282·2	273·3	28th	287·4	*287·2*	—0·5	53	— 21
350	Tobolsk	58 12	68 14	108	998·2	1011·1	+ 1·1	292·2	301·4	12th, 13th	283·9	274·8	27th	288·0	*287·6*	—0·5	42	— 10
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	995·6	1008·4	— 0·8	..	303·0	12th	283·8	274·7	28th	..	*287·8*	—1·5	120	+ 10
353	Barnaoul	53 20	83 48	162	990·4	1009·4	— 0·5	296·8	305·0	7th	283·8	277·6	24th	290·3	*290·2*	+0·4	51	— 10
354	Tomsk	56 30	84 58	122	994·2	1008·6	— 0·7	..	302·4	5th	284·0	274·9	31st	..	*289·3*	+1·2	50	— 22
355	Minousinsk	53 43	91 41	248	980·0	1008·7	— 0·8	..	304·4	5th	284·5	274·9	31st	..	*291·1*	+0·8	37	— 28
356	Eniseisk	58 27	92 10	77·6	1000·7	1009·9	+ 1·1	..	301·4	7th	281·1	273·7	31st	..	*288·8*	+0·2	35	— 14
357	Irkutsk	52 16	104 19	467	955·4	1009·3	— 0·4	296·5	304·4	22nd	281·0	276·1	28th	288·8	*288·6*	+0·8	48	— 0
358	Kirensk	57 47	108 7	263	979·1	1010·0	+ 1·5	..	304·0	22nd	280·8	273·6	31st	..	*287·9*	—0·4	42	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	962·4	1006·8	— 0·2	292·4	298·3	8th	277·9	270·6	11th	285·2	*285·6*	—2·7	143	— 80
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	989·0	1005·5	— 1·3	296·6	302·4	15th, 26th	284·9	279·9	11th, 12th	290·8	*290·5*	—1·5	39	— 0
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	286·8	293·5	27th	281·0	277·5	26th	283·9	*283·3*	—1·5	184	+100
369																		
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

AUGUST—ZONE 4.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·2	— 0·7	291·9	300·8	25th	284·1	281·9	29th	288·0	287·4	—0·4	18	+ 2
412	Portland, Oregon	45 32	122 41	46·6	1010·5	1015·9	— 0·6	298·1	306·3	24th	287·1	284·1	22nd	292·6	*292·3*	+0·5	52	+ 36
413	Macleod	49 44	113 24	953	..	..	..	299·3	305·2	3, 10, 27	284·8	279·1	14th, 26th	292·1	*292·4*	+2·2	14	— 27
414	Helena	46 34	112 4	1253	874·7	1013·5	— 0·2	300·7	305·8	18th	285·9	280·8	16th	293·3	*293·1*	+1·0	24	+ 6
414*a*	Salt Lake City	40 46	111 54	1329	868·6	1013·2	+ 1·2	303·2	306·9	12th	291·9	288·0	31st	297·6	*297·4*	+0·5	47	+ 26
415	Cheyenne	41 8	104 48	1856	817·4	1014·9	+ 0·8	300·6	305·2	12th	286·6	283·0	7th	293·6	*293·0*	+1·7	55	+ 17
416	North Platte	41 8	100 45	859	918·3	1015·2	+ 0·7	305·9	311·9	31st	289·8	281·9	27th	297·9	*297·4*	+2·5	57	— 3
416*a*	Bismarck	46 47	100 38	511	954·7	1013·9	— 0·2	303·1	310·8	13th	288·1	281·3	25th	295·6	*295·8*	+2·8	6	— 43
417	Winnipeg	49 53	97 7	232	985·5	1012·5	— 0·6	299·7	305·2	2nd, 13th	285·8	279·7	29th	292·7	*292·2*	+2·0	34	— 21
418	Duluth	46 47	92 6	345	974·3	1014·9	0·0	296·1	306·3	15th	285·7	279·1	29th	290·9	*290·8*	+1·1	51	— 31
419	Port Arthur	48 27	89 12	196	991·6	1014·6	— 0·1	296·3	306·3	15th	284·7	276·9	29th	290·5	*290·2*	+2·0	47	— 25
420	Chicago	41 53	87 37	251	986·4	1015·9	0·0	299·4	306·3	17th	292·4	286·3	9th	295·9	*295·7*	+0·2	37	— 40
421	Toronto	43 40	79 24	116	1001·7	1015·3	— 0·1	299·1	305·8	16th	287·4	282·4	28th	293·3	292·8	+0·7	37	— 34
422	New York (Central Park)	40 47	73 58	47·4	1010·2	1015·7	— 0·8	299·9	307·4	17th	290·9	284·7	21st	295·4	294·9	—0·9	73	— 39
423	St. John, N.B.	45 17	66 4	36·2	1010·8	1015·1	— 0·3	292·4	298·6	3rd	285·2	281·3	22nd	288·8	288·6	—0·1	265	+167
424	S.W. Point, Anticosti	49 24	63 33	9·1	1012·4	1013·5	+ 1·6	289·7	293·0	3rd, 13th	284·1	278·0	24th	286·9	*287·1*	+0·4	59	— 29
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1015·5	1016·4	— 0·2	293·7	296·9	29th	288·8	283·6	1st	291·2	*291·1*	+1·1	50	— 37
425	Port aux Basques	47 35	59 10	9·1	1014·1	1015·2	+ 0·4	291·3	295·2	2nd	285·8	278·6	18th	288·6	*288·4*	+1·3	104	— 13
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°—45° N. 35°—30° W.	††46 41	††32 33	§ (21)	..	1020·7	..	..	..	Sea Temp. 291·6 | +1·5	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	939·5	1013·8	— 0·7	303·4	307·2	21st	290·0	283·4	30th	296·7	*295·2*	+0·2	15	+ 8
436	Nantes	47 15	W 1 34	36·5	1011·9	1016·3	— 0·9	294·3	299·2	21st	284·4	280·2	16th	289·4	289·2	—1·3	67	+ 20
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·1	1016·1	— 0·5	295·0	300·8	21st	284·4	280·2	16th	289·7	289·6	—1·1	97	+ 47
438	Marseille	43 18	5 23	75	..	1014·2	— 1·2	302·9	311·6	13th	289·4	284·1	27th	296·1	*294·5*	+0·1	3	— 18
438*a*	Zürich	47 23	8 33	493	959·9	1016·8	— 0·4	296·9	304·1	14th	284·9	280·2	27th	290·9	289·9	—0·5	139	+ 10
439	Rome	41 54	12 27	45·5	1009·6	1014·7	— 0·4	305·7	312·2	12th	293·8	290·5	4th	299·7	*299·5*	+2·3	29	+ 3
440	Vienna	48 15	16 22	203	992·4	1016·2	+ 0·8	295·6	301·8	1st	286·2	281·6	28th	290·9	290·0	—1·5	57	— 12
440*a*	Budapest	47 31	19 2	130	1000·6	1015·8	+ 0·7	301·4	309·7	15th	287·0	281·3	28th	294·2	*293·7*	+0·7	21	— 28
441	Sofia	42 42	23 20	550	953·3	1015·2	+ 1·5	303·2	310·4	10th	287·7	282·7	29th	295·5	*295·1*	+2·0	65	+ 11
442	Bucharest	44 25	26 6	82	1005·9	1015·4	+ 1·5	304·0	312·7	10th	288·5	283·8	28th	296·3	296·0	+0·8	47	— 4
443	Odessa (University)	46 29	30 46	65·3	1008·1	1015·7	+ 1·4	297·8	302·8	9th	290·0	283·0	21st	293·9	*294·4*	—0·3	15	— 17
444	Kharkiv (University)	50 0	36 14	140	998·2	1014·6	— 0·1	298·3	305·9	10th	285·9	280·5	23rd	292·1	*291·8*	+0·1	91	+ 40
444*a*	Novorossiisk	44 44	37 49	37·1	1008·2	1012·5	+ 0·3	301·4	307·0	12th	291·9	286·2	23rd	296·6	*296·1*	—0·5	31	— 4
445	Tiflis	41 43	44 48	404	965·1	1010·4	— 0·9	302·7	307·6	4th	291·9	286·8	24th	297·3	297·0	—0·3	47	+ 9
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·5	1014·2	1011·5	+ 0·1	301·5	312·1	3rd	294·2	286·5	26th	297·8	*297·6*	+0·1	46	+ 34
448	Krasnovodsk	40 0	52 59	— 5·0	1009·8	1009·2	— 1·0	307·3	312·5	10th	299·0	293·9	31st	303·2	*302·2*	+0·9	0	— 4
449	Kasalinsk	45 46	62 7	67	1003·6	1011·3	+ 0·8	..	..	..	289·0	282·1	29th	..	*296·2*	—0·2	8	0
450	Tachkent	41 20	69 18	478	952·6	1005·8	— 1·1	307·0	311·0	24th	289·1	284·9	27th	298·1	*297·7*	+0·1	0	— 1
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	914·3	1006·8	— 1·0	300·6	307·5	24th	288·5	282·5	31st	294·5	*294·2*	0·0	32	+ 5
461	Moukden	41 48	123 23	43·8	1002·4	1007·4	+ 0·6	301·9	307·0	5th	291·6	286·0	24th	296·7	296·3	—0·3	199	+ 64
463	Joshin	40 40	129 11	31·9	1004·8	1008·5	+ 0·2	298·3	306·5	18th	292·3	289·1	25th	295·3	295·0	+0·2	135	+ 11
464	Yuki	42 20	130 24	65·6	1000·4	1008·0	— 0·7	298·1	304·7	18th	290·9	285·8	26th	294·5	294·2	—0·1	70	— 79
465	Vladivostok	43 7	131 55	128	993·4	1008·3	— 1·2	296·2	300·0	4th	290·0	285·6	13th	293·6	*293·5*	—0·3	62	— 48
466	Ochiai	43 20	142 47	27·4	1002·2	1005·4	— 4·5	296·1	301·3	29th	285·4	278·2	31st	290·7	290·7	+0·7	35	— 52
466*a*	Nemuro	43 20	145 35	26·7	1003·9	1007·0	— 4·5	295·2	300·6	17th	288·0	284·3	2nd	291·6	291·2	+1·2	124	+ 14
	Syana	45 14	147 53	39·3	1002·3	1006·9	— 5·3	293·9	299·9	15th	286·0	279·5	14th	289·9	290·0	+1·5	155	+ 85
		° N.	° E.		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Between Latitude 40° N. and 30° N.

AUGUST—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
508	35°—30° N. 145°—140° W.	††31 20	††142 1	§ (17)	..	1023·7	+ 0·3	..	..	Sea Temp. 293·6 | —1·1	..	..	..	293·6	—0·6	..	..	..
511	San Francisco	37 48	122 26	47·2	1008·8	1014·5	+ 0·4	292·6	300·2	31st	285·0	283·6	5th	288·8	*287·7*	+1·5	0	— 1
512	San Luis Obispo	35 18	120 39	61·3	1006·7	1014·2	— 0·4	300·2	309·1	27th	284·1	280·2	22nd	292·1	*290·0*	+1·4	0	— 1
513	San Diego	32 43	117 10	26·5	1009·0	1011·8	— 0·4	297·5	301 9	26th	291·5	289·7	15th	294·5	*293·8*	+1·3	0	— 2
514	Modena	37 48	113 54	1670	835·7	1012·8	+ 0·4	301·7	306·9	7th	286·2	281·9	15th	293·9	*293·7*	+0·5	61	+ 23
515	Santa Fé	35 41	105 57	2138	792·1	1012·5	+ 0·8	301·4	305·2	24th	287·6	285·2	21st	294·5	*293·7*	+2·1	47	— 14
516	Denver	39 45	105 0	1613	840·9	1015·2	+ 0·8	303·2	306·3	31st	289·7	286·9	8th	296·4	*295·0*	+1·8	38	+ 2
517	Abilene	32 23	99 40	530	953·7	1013·2	— 0·2	309·2	313·0	3rd	295·7	292·4	10th	302·4	*301·8*	+1·8	5	— 57
518	Saint Louis	38 38	90 12	173	995·1	1015·2	— 0·3	304·2	310·8	24th	294·1	288·0	9th	299·2	*299·0*	+1·0	45	— 43
519	Mobile	30 41	88 2	17·4	1013·2	1015·2	— 0·5	304·5	307·4	3rd	296·1	293·0	11th	300·3	*299·4*	+0·7	130	— 49
520	Nashville	36 10	86 47	166	997·1	1016·6	+ 0·2	303·6	306·9	25th	292·2	286·9	28th	297·9	*297·5*	—0·4	97	+ 7
521	Charleston	32 47	79 56	14·6	1014·5	1016·2	— 0·4	302·0	308·0	1st	295·2	291·9	28th	298·6	*298·8*	—1·1	132	— 36
522	Washington	38 54	77 3	34·1	1011·7	1015·9	— 0·6	300·8	306·3	18th	290·8	284·7	22nd	295·8	*295·5*	—0·7	78	— 27
523	Bermuda	32 17	64 46	46·0	1016·9	1022·2	+ 3·3	302·4	304·1	6th	296·3	293·0	7th	299·4	*299·1*	—1·0	98	— 40
524	Santa Cruz (Flores)	39 27	31 9	40	1021·1	1025·6	+ 2·1	299·3	301·3	3, 13, 16	293·3	291·9	21st	296·3	*296·2*	+1·0	52	— 41
531	Horta	38 32	28 38	65	1017·4	1024·6	+ 1·9	299·2	303·7	18th	292·9	291·1	10th	296·1	295·5	+0·2	13	— 68
532	Ponta Delgada	37 44	25 40	22	1021·3	1023·2	+ 0·9	297·8	300·4	3rd	292·8	290·4	13th	295·3	295·0	+0·1	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	20	— 39
533	Madeira (Funchal)	32 38	16 55	25	‡1016·1	‡1019·1	— 0·2	299·7	312·2	1st	293·7	292·0	17th	296·7	*296·8*	+1·5	0	— 3
534																		
535																		
535*a*	Lisbon	38 43	9 9	95	1005·3	1016·3	— 1·0	300·6	309·5	4th	291·2	287·1	29th	295·9	295·3	+0·6	1	— 5
536	Melilla	35 18	2 59	8	1014·6	1015·5	— 1·8	301·9	308·0	8th	294·0	292·0	31st	298·0	*299·0*	—1·3	22	+ 20
536*a*	Gibraltar	36 6	5 21	16·2	1013·4	1015·3	— 1·6	301·0	308·0	7th	293·1	289·1	30th, 31st	297·1	*296·1*	—0·3	0	... 3
537	Colomb-Béchar	31 36	2 4	769	927·6	1009·7	..	311·1	313·0	1st, 28th	296·6	291·0	30th	303·9	*304·0*	..	0	..
		° N.	° W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

AUGUST—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1012·2	1014·8	— 3·1	303·2	308·0	13th	293·0	290·4	21st	298·1	..	—0·4	0	— 17
538	Algiers (Bouzaréah)	36 48	3 2	342	975·5	1013·2	— 2·5	302·7	315·9	8th	293·8	291·0	30th	298·2	297·6	+0·9	2	— 3
539	Tunis	36 48	10 10	21	1015·7	1018·1	..	308·1	316·8	8th	295·2	291·0	18th	301·7	*301·0*	+2·1	2	— 3
539*a*	Malta	35 54	14 31	56·4	..	1014·6	+ 0·4	302·8	306·9	9th	296·9	294·7	1st, 28th	299·9	*299·2*	+0·7	0	— 13
540	Riposto	37 41	15 14	14·2	..	1017·0	+ 0·7	303·7	307·8	10th	296·2	294·6	4th	299·9	*298·8*	+0·3	0	..
541	Athens	37 58	23 43	107	1000·2	1012·3	+ 0·4	306·8	314·8	13th	296·3	290·5	29th	301·5	301·1	+1·5	..	0
542	Alexandria	31 12	29 53	32·0	1005·1	1008·7	— 1·4	305·2	309·0	16th	297·1	295·8	30th	301·1	*300·4*	+1·2	0	..
543	Nicosia (P.W.D.)	35 9	33 22	159	987·2	1004·6	— 2·0	309·9	313·0	sev. dates	295·1	289·7	27th	302·6	..	+1·6	0	0
544	Beirut	33 54	35 28	33·7	..	1005·9	— 2·3	304·6	306·2	17th	297·5	295·8	4th	301·1	*300·8*	+0·6	0	..
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	999·7	— 1·6	316·4	319·4	19th	300·9	296·9	26th	308·7	*308·1*	..	0	..
546	Lenkoran	38 46	48 52	— 20·0	1013·0	1010·7	— 0·7	..	..	..	293·3	289·8	3rd	..	*298·2*	0·0	88	+ 41
547	Tehran	35 41	51 25	1220	..	..	..	305·9	308·1	1st, 31st	..	..	..	..	‡*296·3*	..	0	+ 1
548	Meshed	36 16	59 35	946	874·3	..	..	305·8	310·6	7th	286·3	283·0	28th, 29th	296·1	..	0·0	0	..
549	Seistan	31 0	61 30	?	..	..	..	310·1	312·8	31st	297·5	292·6	28th	303·8	..	..	0	..
550	Quetta	30 11	67 3	1677	826·8	..	— 0·9	307·3	308·8	18th	288·6	286·4	9th	297·9	*297·6*	+0·1	0	+ 29
551	Peshawar	34 2	71 37	339	960·4	997·4	— 2·9	311·9	315·4	18th	299·7	294·6	2nd	305·8	*305·3*	+1·4	75	+ 56
551*a*	Lahore	31 34	74 20	214	974·1	997·6	— 2·3	310·2	313·6	19th	300·9	296·3	2nd	305·6	*305·3*	+1·7	52	+ 30
552	Simla	31 7	77 8	2205	776·8	..	— 1·1	291·1	293·3	3rd	287·9	286·4	28th	289·5	*289·2*	—1·1	668	+ 7
552*a*	Leh	34 10	77 42	3503	663·9	..	— 1·0	297·4	300·1	18th	283·3	279·7	30th	290·3	*288·9*	0·0	5	..
559	Hankow	30 35	114 17	37·0	999·5	1003·6	— 2·1	307·7	310·7	7th	299·0	294·3	26th	303·3	*302·8*	+1·0	19	— 55
560	Tientsin	39 10	117 10	5·0	1006·9	1007·5	+ 0·5	303·5	312·0	5th	296·1	291·1	9th	299·8	*299·5*	+0·3	74	— 69
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1003·4	— 2·5	306·5	308·9	17th	297·5	292·4	25th	302·0	300·9	+1·0	134	+393
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1000·7	1008·4	— 0·3	302·0	308·5	16th	295·7	291·3	25th	298·8	298·3	+0·7	824	+ 82
562*a*	Nagasaki	32 44	129 52	433	993·4	1008·3	0·0	305·7	308·4	15th	297·0	293·0	30th	301·4	300·0	+1·3	14	— 82
563	Kyoto	35 1	135 44	42·9	1004·7	1009·6	+ 0·7	307·2	309·3	14th	296·0	294·1	28th	301·6	300·6	+1·5	63	+ 53
564	Tokyo	35 41	139 46	5·8	1006·8	1007·4	— 2·6	305·2	308·7	7th	296·6	294·0	29th	300·9	300·3	+1·9	199	— 10
565	Kanayama	37 53	140 46	24·6	1006·2	1009·0	— 1·1	305·1	308·5	18th, 19th	294·6	291·5	4th, 26th	299·9	299·2	+2·9	191	+ 43
566	Miyako	39 38 N.	141 59 E.	30·4	1004·7	1008·2	— 2·2	302·6	308·9	20th	293·2	288·5	4th	297·6	297·0	+2·0	221	..

AUGUST—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1017·3	— 0·6	302·7	304·7	28th	295·2	294·1	3rd	298·9	*298·4*	..	119	..
605	Honolulu	21 19	157 52	11·6	1015·2	1016·5	+ 0·4	300·9	301·9	..	296·1	294·7	..	298·5	*298·3*	—0·3	19	— 18
614	La Paz	24 9	110 20	12	1007·8	1009·1	..	308·9	311·6	12th, 29th	296·8	294·0	17th	302·9	..	..	15	— 25
615	Chihuahua	28 38	106 4	1423	860·1	1008·0	..	303·6	306·0	4th, 5th	294·8	292·0	17th, 18th	299·2	*299·9*	..	11	— 29
616	Leon	21 7	101 41	1809	823·6	1011·7	+ 1·7	300·7	303·0	8th	288·0	285·0	4, 8, 26	294·3	*293·2*	—0·3	108	— 25
616*a*	Monterry	25 40	100 18	528	953·1	1011·3	+ 0·8	307·0	309·6	6th	295·1	293·4	15th, 16th	301·0	*300·5*	—0·1	23	— 55
617	Tulancingo	20 5	98 22	2180	791·1	..	..	296·9	299·8	6th	283·7	281·5	24th	290·3	*288·9*	—0·9	25	— 57
618	Galveston	29 18	94 50	16·5	1013·1	1015·2	— 0·1	303·9	306·3	2nd	298·8	294·7	14th	301·4	*300·9*	+0·2	64	— 38
618*a*	New Orleans	29 57	90 4	16·2	..	1014·9	— 0·1	305·2	308·0	20th	297·5	294·7	1st	301·3	*300·5*	+0·2	145	— 38
619	Merida, Yuc.	20 58	89 38	22	1013·4	1015·9	— 0·5	305·6	306·8	19th, 22nd	296·3	294·8	24th	300·9	*300·2*	+0·4	65	— 24
620	Havana	23 8	82 21	24·3	..	1015·6	+ 0·1	304·9	306·8	12th	296·8	294·3	30th	300·8	*300·2*	+0·1	125	— 24
620*a*	Key West	24 33	81 48	6·7	1014·5	1015·2	— 0·4	304·3	305·8	10th	298·6	295·8	16th	301·4	*301·3*	—0·3	89	— 54
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	117	— 55
622	Watling Island	24 0	74 26	33·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
633	Izaña	28 19	16 30	2367	770·9	..	..	294·6	299·5	1st	286·0	281·3	31st	290·3	*290·1*	—0·3	0	— 2
634	La Laguna	28 28	W16 20	547	953·0	1014·9	— 0·7	300·2	312·0	1st	286·3	287·0	7th	294·7	*294·0*	—0·5	4	— 1
641	Siwa	29 12	E25 29	—23	1012·4	1009·8	..	310·7	314·9	16th, 17th	293·6	290·0	26th	302·2	..	..	0	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	994·6	1007·5	— 1·1	308·2	313·2	17th	294·7	292·0	30th	301·5	*301·1*	+0·4	0	— 1
643*a*	Aswan	24 2	32 53	99·6	995·2	1006·2	— 0·1	313·8	318·4	18th	298·6	292·6	3rd	306·2	*305·8*	+0·4	..	..
644	Tor	28 14	33 37	1·9	1004·8	1005·0	— 0·3	308·0	311·7	18th	298·1	295·2	5th	303·0	*302·6*	+1·5	0	..
647	Bushire	28 59	50 53	4·3	997·7	998·2	— 1·4	309·5	318·6	1st	302·4	299·3	24th	305·9	*305·3*	+0·6	0	..
648	Jask	25 44	57 47	4·0	997·9	998·4	— 2·6	309·3	313·3	18th	303·0	300·0	30th	306·2	*305·6*	+1·4	0	..
649	Karachi	24 53	66 57	4·0	1000·1	1000·5	— 1·3	302·4	304·2	4th	298·4	296·2	24th	300·4	*299·8*	—0·3	36	— 25
650	Jacobabad	28 17	68 29	56·7	991·5	997·7	— 1·4	310·8	313·8	5th	300·7	299·1	26th	305·7	*305·1*	—1·3	0	— 17
651	Jaipur	26 56	75 52	436	953·2	1001·3	— 0·7	305·4	309·7	18th	296·8	295·3	14th	301·1	*300·3*	—0·7	120	— 86
652	Nagpur	21 8	79 5	310	968·7	1003·2	— 0·1	303·7	307·7	25th	296·6	294·6	30th	300·1	*299·3*	0·0	127	— 76
653	Allahabad	25 25	81 51	94·1	989·9	1000·1	— 0·5	304·2	306·9	17th	298·6	296·3	7th	301·4	*300·8*	—0·7	390	+ 150
653*a*	Darjeeling	27 3	88 18	2266	772·2	..	— 1·7	292·2	294·3	3rd, 6th	287·9	287·1	20th	290·1	*289·8*	+0·7	698	+ 151
654	Calcutta	22 36	88 23	6·4	999·5	1000·3	— 1·7	304·2	306·3	27th	298·9	297·4	13th	301·6	*301·4*	+0·4	460	+ 102
655	Gauhati	26 8	91 41	59·7	995·4	1002·1	— 2·1	305·3	307·9	22nd	298·9	297·8	27th	302·1	*301·3*	+0·3	303	+ 70
655*m*	Cherrapunji	25 15	91 42	1314	862·5	..	— 2·0	295·1	298·5	2nd	291·9	291·1	8th	293·5	*293·0*	+0·2	1312	+ 870
655*a*	Akyab	20 11	92 56	6·1	1002·5	1003·1	— 2·1	300·3	303·6	24th	297·5	296·1	11th	298·9	*299·0*	—1·2	1629	+ 1
656	Mandalay	21 59	96 0	76·2	995·3	1003·9	— 1·7	307·2	310·5	2nd	298·7	294·5	11th	302·9	*302·5*	+0·1	101	+ 47
656*a*	Tengyueh	25 2	98 33	1625	830·7	999·8	+ 0·5	296·8	299·1	10th	?290·3	288·6	3rd	?293·6	?*292·9*	+0·3	333	+ 82
657	Phu Lien	20 48	106 38	116	988·5	1001·6	— 1·5	305·0	308·0	8th	298·4	296·1	25th	301·7	301·1	+0·3	321	+ 87
658	Moncay	21 31	107 51	9	1000·4	1001·5	— 1·7	305·0	308·3	22nd	297·7	295·6	20th	301·4	*301·2*	+0·2	660	+ 160
659	Hongkong	22 18	114 10	33·2	..	1002·2	— 2·8	303·7	306·9	2nd	299·0	296·9	28th	301·3	301·0	+0·5	445	+ 86
660	Amoy	24 27	118 4	ca. 3	1000·8	1001·1	— 2·7	303·8	306·9	1st, 12th	299·7	297·4	4th, 25th	301·7	*301·3*	—0·3	287	+ 87
661	Taihoku, Formosa	25 2	121 31	9·3	1001·8	1002·8	— 2·1	305·2	309·5	12th	297·3	295·0	9th	301·3	300·7	—0·1	351	+ 82
661*a*	Basco	20 28	121 59	18·7	999·9	1002·3	— 2·4	303·0	304·9	4th	298·2	295·3	24th	300·6	*299·0*	—1·8	404	+ 200
662	Naha	26 13	127 41	10·5	1001·9	1003·1	— 3·6	303·3	305·8	3rd	298·1	296·7	25th	300·7	300·3	—0·5	522	+ 44
665	Titizima (Bonin Islands)	27 5 N.	142 11 E.	4·0	1009·7	1010·1	+ 1·7	303·0	305·4	5th	297·9	296·1	11th	300·5	300·1	0·0	150	— 44
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

AUGUST—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	955·6	1010·6	..	302·9	306·0	24th	295·2	291·8	26th	299·1	*298·2*	..	146	..
716	Morelia	19 42	101 7	1923	811·2	1011·6	..	295·6	298·5	11th	286·9	285·2	22nd	291·3	*290·2*	..	163	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·7	..	— 0·4	297·4	299·2	7th	282·1	279·0	24th	289·7	288·7	—0·3	108	— 18
718	Salina Cruz	16 12	95 12	56	1004·4	1010·8	..	304·6	308·0	4th, 5th	297·3	293·8	10th	300·9	*301·0*	+0·2	143	— 28
719	San Salvador	13 42	89 13	682	936·8	1012·3	— 0·1	304·1	305·4	6th, 7th	291·1	289·4	2nd, 13th	297·6	*296·1*	—0·4	307	+ 8
720	Belize	17 29	88 12	5·2	1011·6	1012·1	— 1·3	..	..	..	296·5	292·4	24th	..	..	‡*299·9*	+0·4	145	— 95
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·0	+ 0·2	304·7	306·1	24th	295·5	294·4	3rd	300·1	*299·9*	+0·3	58	—120
723	Port au Prince	18 33	72 20	37·4	1009·9	1014·2	— 0·3	306·5	308·7	24th	296·2	294·0	22nd	301·3	*300·7*	0·0	63	— 73
724	Caracas	10 30	66 55	1042	899·7	1013·9	+ 0·3	299·0	302·1	17th	288·7	285·9	16th	294·3	*292·8*	—0·6	79	— 29
724*a*	Montserrat	16 41	62 9	39·6	1010·0	1014·5	— 0·3	305·1	309·1	7th	296·3	293·6	9th	300·7	*300·1*	0·0	221	+ 42
725	Grenada (Richmond Hill)	12 5	61 46	155	‡994·2	‡1012·0	— 0·8	302·3	304·1	7, 11, 15	296·9	294·7	3rd	299·6	*299·0*	+0·2	225	— 18
	Barbados	13 8	59 36	55·2	..	1013·5	— 0·2	303·2	304·3	10, 12, 17	296·2	293·8	26th	299·7	*299·8*	+0·3	111	— 77
731	São Vicente, C. Verde Is.	16 54	25 4	11	1010·2	1011·4	— 1·1	300·7	302·0	27th	294·5	293·5	10th, 17th	297·6	*298·2*	—0·5	13	— 26
732	San Tiago, C. Verde Is.	14 54	23 31	34	1009·3	1013·1	— 0·4	301·8	303·0	24th	297·6	296·6	3rd	299·7	*299·8*	+0·2	3	—106
733	Bathurst	13 27	16 34	1·8	..	1013·5	+ 0·2	303·6	305·2	28th	295·2	294·1	1st, 4th	299·4	*299·7*	+0·2	469	— 29
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	304·1	307·4	9th	294·7	290·2	20th	299·4	..	..	178	—132
735	Niénébalé	12 57	7 26	300	..	..	..	304·5	307·0	25th	296·6	293·0	25th	300·6	..	..	..	..
735*a*	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	308·4	313·8	31st	296·4	292·8	15th	302·4	*301·4*	..	199	..
737	Sokoto	13 2	E 5 14	353	..	..	..	304·0	308·0	25th	294·1	291·3	7th	299·1	*298·4*	—0·1	307	+103
738	Kaduna Capital	10 32	7 25	637	942·9	1014·8	— 0·2	299·1	305·2	15th	..	..	..	..	‡*294·9*	—0·3	256	— 65
739	Hadeija	12 40	10 5	?	..	..	..	302·4	306·3	22nd	292·3	290·2	6th, 25th	297·3	*296·6*	—2·0	279	+ 74
740	Maiduguri	11 47	13 11	361	..	..	..	304·3	308·6	16th	295·3	293·0	18th, 30th	299·8	*299·2*	—0·1	154	— 53
741	El Fasher	13 32	25 18	730	..	..	..	303·5	308·2	19th	290·9	288·6	23rd	297·2	*296·8*	..	271	..
743	El Obeid	13 11	30 14	569	..	..	..	?304·5	?308·0	18th	294·4	291·5	13th	?299·4	?*298·4*	—0·7	111	— 4
743*a*	Khartoum	15 37	32 33	390	965·5	1008·4	— 0·1	306·7	311·8	19th	296·3	292·4	26th	301·5	*301·5*	—2·5	189	+123
744	Port Sudan	19 37	37 13	5·5	1004·2	1004·8	— 0·2	313·9	317·9	20th	?302·1	?298·2	30th	?308·0	?*307·0*	+ 0·5	0	— 1
745	Berbera, Somaliland	10 22	45 2	9·5	1002·5	1003·4	— 2·2	314·9	318·6	19th	302·7	300·2	22nd, 24th	308·8	*309·1*	0·0	1	0
746	Aden	12 45	45 3	28·7	1001·0	1004·2	— 0·7	305·4	307·9	14th	298·3	297·1	8th, 18th	301·8	*302·0*	—1·5	0	— 3
751	Bombay	18 54	72 49	11·3	1004·9	1006·3	— 0·6	301·7	302·6	12th	298·0	297·0	22nd	299·8	299·4	—0·3	129	—219
752	Kodaikanal	10 14	77 28	2343	768·9	..	— 0·6	291·1	293·2	1st	284·1	282·6	21st	287·6	*286·6*	+0·4	142	— 29
752*a*	Bangalore	12 59	77 38	920	907·6	1008·2	— 0·5	301·1	302·6	1st	291·7	290·6	22nd	296·4	*295·3*	+0·2	75	— 57
753	Madras	13 4	80 14	6·7	1005·3	1006·1	— 1·0	308·8	312·7	1st	298·6	295·8	12th	303·7	*303·0*	+0·8	103	— 19
754	Vizagapatam	17 42	83 19	11·6	1001·1	1002·4	— 1·0	306·4	310·0	6th	299·9	297·6	30th	303·2	*302·6*	+0·9	166	+ 24
755	Port Blair	11 40	92 40	18·0	1004·9	1007·0	— 1·4	302·1	303·1	9th, 26th	297·8	296·1	29th	299·9	*299·3*	—0·4	307	— 61
756	Rangoon	16 46	95 48	5·5	1005·7	1006·4	— 1·1	302·2	304·7	16th	297·7	295·6	11th	299·9	*299·0*	0·0	548	+ 47
757	Saigon	10 47	106 42	11	1005·6	1006·8	— 0·8	304·2	306·2	7th	296·9	294·9	2nd	300·6	*300·1*	0·0	209	— 70
758	Nhatrang	12 15	109 12	3·6	1004·0	1004·4	— 0·8	306·5	311·1	7th	297·3	296·0	18th, 30th	301·9	*301·3*	0·0	29	— 8
759	Bolinao	16 23	119 53	7·1	1003·1	1004·0	— 1·7	304·0	305·6	31st	297·1	295·7	1st	300·5	*299·8*	0·0	379	—181
761	Vigan	17 34	120 23	12·2	..	1004·9	— 1·4	303·8	305·2	15th, 27th	297·5	296·5	11th	300·7	300·3	+0·5	280	—426
761*a*	Manila	14 35	120 59	14·2	..	1006·4	— 0·7	304·1	305·8	27th	297·1	296·1	6th	300·6	300·0	. 0·0	131	—275
762	Ormoc	11 0	124 36	5·6	1005·9	1006·7	— 0·6	304·9	306·5	26th	296·2	293·3	26th, 27th	300·5	*300·3*	+0·5	251	— 12
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1004·0	1006·6	— 0·5	302·8	305·0	24th	296·8	295·5	31st	299·8	*300·1*	—0·1	397	— 6

AUGUST—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1011·2	1011·8	..	304·1	305·2	15th, 30th	297·7	295·8	25th, 28th	300·9	*00·5*	—0·2	17	—106
821	Colon	9 23	79 23	11·0	..	1010·6	— 0·3	303·4	305·8	27th	297·6	296·3	25th	300·5	*00·1*	+0·9	369	— 6
822	Bogota	4 36	74 0	2645	..	..	..	..	..	..	..	..	..	..	..	..	8	— 49
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·6	..	— 0·3	297·9	300·0	3rd, 13th	288·3	287·0	2nd, 11th	293·1	*291·9*	0·0	166	+ 12
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	305·1	306·4	29th	296·7	295·7	11th, 18th	300·9	*300·4*	..	124	— 53
824	El Peru, Guayanavieja	7 19	61 49	220	985·6	1010·6	— 0·5	303·1	304·1	20th	292·6	290·2	3rd	297·9	*297·2*	—0·8	175	— 19
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·6	+ 0·7	302·5	303·6	9th	297·0	295·5	13th	299·7	*299·5*	—0·7	313	+148
826	Paramaribo	5 49	55 9	3·7	‡1013·8	‡1014·2	+ 0·8	304·7	306·6	17th	295·5	294·0	25th	300·1	*299·3*	+0·4	228	+ 77
826*a*	Cayenne	4 56	52 21	6	1011·7	1012·4	— 0·5	305·6	311·0	19th	294·6	291·0	17th, 29th	300·1	*298·4*	—1·0	220	+150
831	10° —5° N 30° —25° W	††7 24	†††27 30	§(58–63)	..	1013·8	+ 0·2	..	..	Sea Temp. 299·3	—0·1	..	..	..	298·8	—0·2	..	..
833	Konakri	9 31	13 43	16	..	..	..	300·4	302·0	sev. dates	296·0	295·0	17th	298·2	*297·8*	+0·2	805	—257
834	Freetown, Sierra Leone	8 29	13 9	68·3	1005·7	1013·6	+ 0·9	300·5	303·0	21st	295·4	294·1	16th	297·9	*297·3*	—0·6	833	— 96
835	Assuantsi	5 18	1 15	101	..	..	..	300·4	303·6	24th	292·6	288·6	12th	296·5	*296·0*	..	7	..
836	Accra	5 33	W 0 12	27·0	1012·1	1015·4	..	300·4	303·0	9th	294·1	291·3	12th, 16th	297·3	*296·9*	+0·6	18	+ 3
837	Lagos	6 27	E 3 24	4·6	1012·4	1012·9	— 0·2	300·7	303·6	5th	295·6	292·4	12th	298·2	*297·5*	—0·3	193	+ 75
838	Zungeru	9 48	6 10	130	..	..	..	303·0	306·3	17, 18, 28	290·5	289·1	1, 13, 20	296·7	*296·2*	—2·0	146	+ 37
839	Yola	9 12	12 30	259	..	..	..	304·9	308·0	16th	..	..	..	..	‡*299·6*	+1·0	193	+ 46
841	Wau	7 42	28 3	440	..	..	..	304·7	309·0	14th	..	..	..	..	..	..	98	—111
843	Malakal (Kodok)	9 35	31 37	394	966·8	1010·8	— 0·2	303·4	306·7	18th	294·5	293·1	10th, 19th	299·0	?*297·7*	+0·3	253	+ 46
843*a*	Mongalla	5 11	31 47	439	960·4	1009·1	— 0·6	..	..	..	..	..	..	..	..	..	185	+ 24
844	Entebbe	0 5	32 29	1171	884·6	1011·7	— 0·1	297·3	299·7	7th	288·8	286·9	17th, 25th	293·1	*292·5*	—0·6	112	— 36
851	Minicoy	8 17	72 49	2·1	1011·0	1011·2	+ 0·3	..	..	..	..	..	..	..	..	..	79	+ 1
851*a*	Cochin	9 58	76 21	2·7	1010·3	1010·7	0·0	301·3	303·3	4th	296·3	294·7	28th	298·8	*298·2*	—0·4	330	+ 10

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·3	1011·2	+ 0·2	..	..	..	..	..	..	..	*299·2*	−1·8	6	− 35
924	Manaos	3 8	60 1	43·8	..	..	..	304·7	306·0	sev. dates	296·1	295·0	sev. dates	300·4	*299·5*	−1·0	46	+ 6
926	Taperinha	2 30	54 20	20·0	1009·7	1012·0	− 0·6	304·4	305·8	25th	295·0	293·5	8th	299·7	*298·5*	+0·2	62	..
927	Turyassu	1 43	45 26	15·1	1010·2	1012·0	− 1·1	304·6	307·2	9th	295·2	292·9	21st	299·9	*299·0*	0·0	125	+ 54
928	Barra do Corda	5 30	45 16	81·0	1001·4	1010·9	− 1·2	307·0	308·6	25th, 29th	291·1	288·2	6th	299·0	*297·7*	−0·5	0	− 13
929	Quixeramobim	5 16	39 15	207	990·7	1014·2	+ 0·1	303·2	304·7	30th	295·1	293·2	7th	299·2	*298·6*	−1·3	18	+ 7
930	Fernando Noronha	3 50	W32 25	106	1001·6	1013·7	− 1·1	300·0	300·6	28th	296·0	294·8	16th	298·0	*297·5*	+0·3	63	+ 25
939	Loanda	8 49	E 13 13	59·3	..	1017·9	+ 2·5	294·7	295·8	16, 22, 26	290·6	289·0	4th	292·7	292·2	−0·6	1	0
940	Brazzaville	4 17	15 16	320	980·6	1017·2	+ 2·7	301·7	306·0	19th	290·2	287·0	4th, 6th	296·0	*295·3*	−0·6	0	− 0
943	Masaka	0 21	31 47	?1280	..	..	..	301·2	303·6	11th	283·9	283·0	sev. dates	292·6	*291·5*	−0·6	45	− 12
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	294·1	299·1	18th	285·2	278·6	18th	289·7	..	..	37	+ 4
944*a*	Zanzibar	6 10	39 11	21·9	1015·6	1018·1	− 0·6	299·8	300·9	18th, 30th	295·5	294·9	19th	297·7	*296·8*	−0·2	34	+ 5
945	Lamu	2 16	40 50	3·1	..	..	..	299·7	300·2	sev. dates	296·3	294·7	16th	298·0	*297·7*	−1·2	40	− 15
947	Seychelles, Port Office	4 37	55 27	4·6	1011·9	1012·5	− 0·5	300·5	300·7	26th	297·9	297·2	6th	299·2	*298·0*	+0·2	42	..
957	Padang	0 56	100 22	6·7	..	1008·8	− 1·9	..	..	..	..	..	..	..	..	..	266	− 79
958	Batavia	6 11	106 50	8·0	1009·0	1009·9	− 0·5	304·1	305·4	23rd	296·1	294·2	16th	300·1	299·8	+0·7	40	− 3
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+ 0·2	..	..	..	..	..	..	..	..	..	120	− 100
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	− 10
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	1	..
962	Amboina	3 42	128 10	4·2	..	1011·1	− 0·2	..	..	..	..	..	..	..	..	..	349	− 56
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	98	− 42
965	Daru	9 4	143 13	7·6	..	..	..	299·6	..	..	295·3	..	..	297·4	*297·0*	−0·6	5	− 40
966	Port Moresby	9 29	147 9	39·0	..	1012·4	+ 0·4	299·9	..	..	295·7	..	..	297·8	*297·4*	−0·6	5	− 14
967	Rabaul	4 9	152 12	20·7	..	1009·1	..	305·2	307·8	31st	295·3	294·1	12, 18, 26	300·2	*299·6*	+0·2	153	+ 45
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	239	− 141
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·3	1010·6	− 0·1	?303·8	..	..	297·3	?296·3	5th, 8th	?300·5	*?300·3*	+0·5	439	+ 263
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·9	1008·0	− 0·1	304·2	305·2	21, 28, 30	298·3	295·2	11th	301·3	*300·6*	+0·4	93	− 0

AUGUST—ZONE 10.

Between Latitude 10° S. and 20° S.

1002	Apia, Samoa	13 48 S.	171 46 W.	2	..	1012·9	+ 0·6	302·7	305·2	11th	296·7	295·2	10th	299·7	299·4	+1·0	133	+ 41
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·3	304·1	28th	293·5	290·2	19, 21, 25	297·4	*297·2*	+1·3	61	− 57
1021	Arequipa	16 22	71 33	2451	761·3	..	0·0	290·7	293·3	12th	282·5	278·6	18th	286·6	*286·8*	−0·5	0	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·3	281·0	7th	..	*287·5*	..	9	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	999·9	1013·1	+ 0·2	301·5	309·0	18th	290·8	282·8	30th	296·2	*296·1*	+0·1	44	+ 10
1026	Cuyaba	15 36	56 6	165	993·6	1012·4	− 0·2	306·5	310·3	28th	292·2	285·7	31st	299·4	*298·2*	−0·6	34	+ 5
1027	Bello Horizonte	19 55	43 57	895	918·8	1018·5	− 0·2	298·9	302·6	11th	286·5	282·4	25th	292·7	292·4	+1·4	0	− 11
1028	Caetite	14 3	42 37	897	918·7	1018·5	+ 0·6	298·0	300·2	4th	287·7	286·0	21st	292·8	*293·0*	−0·8	1	+ 5
1029	Ondina (Bahia)	13 0	38 31	46·6	1011·9	1017·3	− 0·4	298·8	300·5	31st	293·9	292·1	21st	296·4	*296·4*	+0·2	127	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	948·7	1018·6	+ 1·5	290·4	294·1	7th	285·0	284·0	15th	287·7	*287·4*	+0·3	138	+ 44
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	293·7	295·8	10th	284·1	280·2	9th, 10th	288·9	*289·2*	..	0	..
1041	Elisabethville	11 39	27 28	1236	878·8	1012·4	− 1·6	304·3	307·6	21st	281·3	277·5	1st	292·8	..	+1·6	0	− 5
1042	Gwelo	19 28	29 48	1417	862·5	1014·8	− 2·6	300·3	305·8	31st	283·2	277·9	1st	291·7	..	+3·3	0	..
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡855·2	‡1012·8	− 2·4	299·4	302·8	31st	283·3	278·9	6th	291·3	*290·6*	+2·6	0	− 2
1044	Zomba	15 23	35 18	955	909·5	1014·4	− 3·4	300·6	304·1	13th	287·9	284·7	1st	294·3	*293·9*	+3·0	3	− 4
1045	Antananarivo	18 55	47 32	1400	868·6	1023·2	+ 0·5	294·5	297·4	14th	282·0	279·7	22nd	288·3	*286·8*	−0·2	4	..
1046	Tamatave	18 10	49 24	5	..	..	..	296·4	298·7	..	290·3	288·0	..	293·3	*292·9*	..	352	..
1047	Vohémar	13 21	50 1	3	..	..	..	302·5	302·8	..	292·5	291·9	..	297·5	*296·9*	..	119	..
1048	Antalaha	14 58	50 19	3	..	1016·1	..	..	..	..	..	..	..	..	..	..	..	− 99
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·8	1014·3	+ 0·9	300·3	..	..	297·3	..	..	298·8	*298·5*	−0·1	47	− 10
1057	Christmas Island	10 25	105 43	5·5	1009·5	1010·1	− 0·4	303·4	304·7	..	295·3	293·6	..	299·3	*298·4*	−0·1	50	..
1061	Kupang	10 10	123 34	45·1	..	1012·0	− 0·2	306·4	309·6	21st	292·5	288·9	7th	299·5	298·6	..	0	− 3
1061*a*	Derby	17 18	123 40	16·2	1013·7	1015·6	+ 1·0	303·7	307·2	29th	287·1	282·0	7th	295·4	..	−1·2	0	− 4
1062	Hall's Creek	18 13	127 46	374	973·6	1016·7	+ 1·2	301·7	307·4	27th	282·4	..	..	292·1	*291·4*	−1·6	0	− 3
1063	Darwin	12 28	130 51	29·6	1009·7	1013·1	+ 0·6	303·9	307·9	23rd	291·7	288·7	5th	297·8	*296·6*	−1·5	0	− 3
1064	Daly Waters	16 16	133 23	211	989·2	1013·5	− 0·5	303·3	306·9	27th	283·3	276·9	4th	293·3	*292·6*	−2·5	0	− 3
1065	Mein	13 13	142 47	122	998·2	1012·3	− 0·3	302·0	304·4	19th	288·3	281·9	6th	295·2	..	−1·7	0	− 3
1066	Georgetown, Queensland	18 22	143 32	302	981·0	1016·1	+ 0·3	301·6	305·3	22nd	282·6	274·1	5th	292·1	..	−2·2	0	− 3
1066*a*	Willis Island	16 18	149 59	8·5	1014·0	1015·0	..	298·2	299·5	29th	294·4	292·3	5th	296·3	*296·0*	..	0	− 0
1067	Samarai	10 37	150 40	15·2	..	1012·9	− 0·1	299·9	..	..	295·3	..	..	297·6	*297·4*	−0·1	200	+ 71
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1014·0	1014·7	− 1·1	300·2	303·2	3rd, 5th	293·8	291·9	13th	297·0	*296·8*	+0·9	268	+ 65
		°	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·7	301·9	7th, 10th	291·6	286·9	14th, 23rd	295·1	*294·9*	+0·9	16	− 97
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·1	1018·4	+ 0·4	288·0	291·0	7th	282·7	279·6	29th	285·3	*285·1*	0·0	60	+ 41
1122	Iquique	20 12	70 11	9	1010·2	1017·3	+ 0·7	290·1	292·4	17th	285·2	283·0	24th	287·7	*288·2*	−0·6	1	+ 1
1123	Catamarca	28 27	65 47	510	955·0	1014·4	− 1·0	293·4	303·3	27th	278·8	270·1	30th	286·1	286·2	−1·7	1	− 6
1124	Salta	24 46	65 28	1178	882·1	1013·8	− 1·4	293·7	304·9	17th	277·8	272·1	10th	285·7	285·6	−0·6	9	+ 4
1125	Goya	29 9	59 15	26	1011·6	1014·7	− 0·4	293·7	303·5	22nd	284·8	277·2	30th	289·3	288·3	+0·1	57	+ 20
1126	Asuncion	25 21	57 37	93	1004·2	1015·1	− 0·5	300·2	308·0	2nd, 15th	287·4	277·0	31st	293·8	291·9	−0·2	32	− 7
1127	Curityba	25 25	49 17	908	915·9	1018·2	− 0·4	293·3	299·4	28th	283·3	275·7	11th	288·3	*287·6*	+1·3	112	+ 29
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1012·1	‡1019·2	+ 0·4	299·2	304·8	29th	291·3	288·0	26th	295·2	294·7	+1·2	3	− 42
1139	Windhoek	22 34	E 17 4	1669	..	..	..	295·2	299·2	27th	280·0	272·3	6th	287·6	*287·5*	−0·3	0	− 2
1140																		
1141	Kimberley																	
1141*a*	Johannesburg	28 42	24 47	1202	883·1	1017·3	− 3·2	294·9	301·6	30th	277·2	271·3	11th	286·1	285·7	+0·4	1	− 5
1142	Bulawayo	26 11	28 4	1806	822·9	1018·2	− 2·5	291·3	296·8	30th	280·1	270·8	7th	285·7	*285·3*	+0·3	34	+ 21
1143	Durban	20 9	28 35	1340	869·8	1015·1	− 2·2	299·5	304·3	31st	282·7	274·9	8th	291·1	*290·9*	+1·9	0	− 1
1144	Lourenço Marques	29 52	31 3	15·2	1017·0	1018·8	− 3·5	295·7	304·8	20th	287·8	283·3	22nd	291·7	*291·3*	+0·6	92	+ 48
1145	Tuléar	25 58	32 36	59	..	1017·3	− 4·4	299·1	306·6	20th	288·1	284·6	22nd	293·6	293·2	+1·3	10	− 5
1146	Fort Dauphin	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	25 2	49 58	25	..	1021·1	..	..	..	..	..	..	..	287·9	285·0	..	..	..
1159	Onslow	20 6	57 33	55·2	1014·4	1020·9	+ 0·4	296·5	297·1	4, 12, 29	290·3	286·9	30th	293·4	293·1	+0·1	102	+ 42
1160	Cue	27 27	117 52	454	965·2	1017·6	− 1·0	293·6	300·7	13th	280·8	275·6	21st	287·2	..	+0·2	22	+ 3
1161	Nullagine	21 53	120 5	386	972·0	1016·5	− 0·2	306·6	305·8	25th	279·9	274·2	5th	290·2	..	−0·7	0	− 10
1162	Laverton	28 40	122 23	466	965·7	1020·1	+ 0·6	294·1	301·2	29th	280·3	274·1	21st	287·2	*287·1*	+1·1	9	− 7
1163	Alice Springs	23 38	133 37	587	950·5	1018·7	− 0·5	295·2	301·3	25th	276·2	271·3	3rd, 5th	285·7	*285·5*	−1·9	0	− 10
1164	William Creek	28 55	136 21	76·2	1011·1	1020·3	+ 0·7	294·2	300·8	15th	277·2	271·9	3rd	285·7	*285·4*	−0·9	4	− 3
1165	Thargomindah	22 55	139 38	146	1000·0	1017·6	+ 0·9	297·6	304·6	26th	279·9	276·2	21st	288·7	*288·5*	−1·4	0	− 0
1166	Mitchell	27 58	143 43	123	1003·9	1018·7	− 0·4	294·0	301·0	16th	277·4	274·2	20th	285·7	*285·4*	−1·7	0	− 14
1167	Rockhampton	23 24	150 30	11·3	1015·8	1017·1	− 1·8	298·1	301·4	17th, 18th	282·9	276·8	15th	290·5	..	−0·5	19	− 8
1168	Brisbane	27 28	153 2	41·7	1012·3	1017·3	− 1·8	294·6	299·0	17th	281·8	276·9	21st	288·2	*287·8*	−0·6	101	+ 47
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1015·7	1017·4	− 1·0	292·1	294·1	5th, 6th	287·1	284·1	24, 25, 26	289·6	*289·2*	+0·7	143	− 7

AUGUST—ZONE 12.

Between Latitude 30° S. and 40° S.

1221	Juan Fernandez	33 37 S.	78 50 W.	10	..	..	..	288·1	290·9	3rd	283·1	281·4	16th	285·6	*286·9*	+0·3	273	+161
1221*a*	Punta Tumbes	36 37	73 6	120	1004·0	1018·7	− 0·5	286·0	289·8	29th	279·6	275·0	28th	282·8	*282·8*	−0·7	114	+ 50
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·8	1018·8	+ 0·2	288·8	295·0	5th	280·9	277·4	28th	284·9	*284·3*	−1·1	137	+ 68
1222*a*	Santiago	33 27	70 42	520	957·6	1019·4	+ 0·6	287·5	297·5	31st	276·3	271·3	29th	281·9	*281·2*	−0·8	85	+ 30
1223	Cordoba	31 25	64 12	423	967·1	1017·3	+ 0·6	290·6	299·0	..	276·3	267·7	..	283·5	283·2	−1·7	16	+ 3
1224	Bahia Blanca	38 45	62 15	25	1015·0	1018·2	+ 1·1	287·6	292·6	6th	277·1	271·0	3rd, 19th	282·3	282·5	+0·1	1	− 23
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1014·6	1017·6	− 0·9	288·0	293·8	17th	280·3	272·8	4th	284·1	284·2	+0·6	278	+215
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1016·1	− 1·5	287·9	294·0	14th	283·0	278·0	20th	285·5	*285·3*	+1·0	397	+294
1228	Porto Alegre	30 2	W51 13	23·5	1012·6	1015·4	− 3·6	295·5	305·2	28th	286·6	279·7	4th	291·1	290·8	+3·2	159	+ 37
1239	Cape Town	33 56	E 18 29	12·2	..	1018·2	− 2·0	288·7	293·6	25th	281·1	276·9	7th, 20th	284·9	*283·5*	−1·2	94	+ 8
1240	Danger Point	34 37	19 18	27·7	1013·5	1016·8	..	289·0	293·6	31st	282·1	277·7	21st	285·6	..	−0·5	298	+210
1241	Riversdale	34 6	21 16	30·5	1004·9	1008·6	..	292·1	300·2	9th	277·2	271·9	22nd	284·7	..	..	24	− 12
1242	East London	33 0	27 55	44·8	..	1016·6	− 3·3	293·8	303·0	4th	283·4	276·3	22nd	288·6	..	0·0	30	− 12
1250	Perth (Observatory)	31 57	115 51	60·0	1011·9	1019·4	+ 0·7	291·1	297·7	23rd	282·5	275·9	20th	286·8	*286·8*	+0·5	132	− 12
1260	Katanning	33 42	117 35	310	980·7	1018·1	+ 0·2	288·3	293·8	13th	278·4	273·7	20th	283·3	..	−0·1	68	+ 5
1261	Coolgardie	30 57	121 10	423	969·5	1019·4	+ 0·4	291·6	299·6	13th	279·1	274·7	21st	285·3	*285·2*	+0·3	61	+ 35
1262	Eucla	31 45	128 58	4·6	1018·1	1018·7	+ 0·7	291·8	302·7	14th	280·1	274·3	21st	286·0	*285·7*	−0·5	9	− 15
1263	Streaky Bay	32 48	134 13	13·1	..	1019·6	+ 0·2	290·3	294·7	23rd	281·6	276·3	5th	285·9	*285·6*	+0·2	48	− 1
1264	Adelaide	34 56	138 35	42·7	1013·6	1018·8	− 0·4	289·0	293·8	24th	280·7	275·9	19th	284·8	*284·7*	−0·4	65	+ 1
1265	Melbourne	37 49	144 58	35·1	1012·4	1016·7	− 1·4	286·7	290·9	1st	278·6	273·4	21st	282·7	*282·3*	−0·9	63	+ 17
1266	Bourke	30 13	145 58	110	1008·2	1021·5	− 0·7	293·7	299·7	16th	277·8	274·7	20th, 30th	285·8	..	−0·9	0	− 22
1267	Sydney	33 51	151 13	42·1	1010·8	1016·0	− 2·1	290·7	296·3	16th	281·2	278·4	15th	286·0	..	+0·2	46	− 30
1268	Lord Howe Island	31 20	159 0	4·6	1015·1	1015·8	− 2·5	291·9	294·3	29th	285·8	280·2	8th	288·9	..	+0·3	150	+ 17
1271	Auckland	36 50	174 50	38·1	..	1014·9	− 0·3	288·1	292·4	7th	281·1	276·1	2nd	284·6	..	+0·4	64	− 43
1272	Napier	39 32 S.	176 53 E.	21·3	..	1014·4	− 0·2	288·3	293·3	15th	277·9	273·6	26th	283·1	..	+0·2	15	− 60

AUGUST—ZONE 13.

Between Latitude 40° S. and 50° S.

1301	Chatham Island	43 52 S.	176 42 W.	45·7	..	1007·8	..	..	..	..	..	..	..	..	..	..	62	− 25
1321	Isla Guafo	43 34	74 45	140	995·0	1012·1	− 2·4	281·6	283·4	31st	278·0	273·5	16th	279·8	*279·9*	−0·6	132	+ 1
1322	Punta Galera	40 1	73 44	40	1012·2	1017·1	− 0·1	283·4	285·4	5th	279·0	276·0	2nd	281·2	*281·6*	−0·6	249	− 18
1323	Sarmiento	45 30	69 0	274	975·6	1007·4	− 5·1	282·8	287·0	9th	274·4	267·5	28th	278·6	278·5	+0·2	17	+ 7
1324	Punta Madryn	42 49	W64 58	14	1012·4	1013·8	+ 0·2	288·4	297·0	30th	275·4	269·2	22nd	281·9	282·4	+0·9	3	− 4
1365	Launceston	41 27	E147 10	10·1	1011·5	1012·7	− 1·9	286·9	290·7	2nd	276·5	271·9	21st	281·7	*281·2*	+0·4	46	− 24
1366	Hobart	42 53	147 20	53·9	1005·5	1012·2	− 1·3	286·0	289·5	15th	278·1	274·7	4th	282·1	*281·6*	+0·2	52	+ 5
1370	Invercargill	46 25	168 21	3·7	..	..	..	284·2	288·0	18th	276·3	272·4	28th	280·3	..	+0·7	88	+ 2
1371	Dunedin	45 52	170 31	91·4	..	1013·2	+ 0·7	283·8	288·0	12th	277·0	274·1	24th	280·7	..	+1·0	62	− 18
1371*a*	Christchurch	43 31	172 39	7·6	..	1012·7	− 1·8	284·1	290·7	10th	275·9	269·8	2nd	280·0	..	+0·2	27	− 18
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1014·3	− 0·1	286·8	289·2	28th	279·4	272·6	27th	283·1	..	+0·9	58	− 56
		°	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 113.

AUGUST—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	988·2	994·9	— 7·2	278·8	280·5	5th	274·5	270·7	16th	276·7	*276·8*	—0·4	398	+180
1422	Puerto de Punta Arenas	53 10	70 54	28	992·6	996·0	— 7·8	278·3	283·5	29th	273·8	269·6	18th	276·1	*276·4*	+0·8	18	— 10
1423	Punta Dungeness	52 24	68 26	5	995·6	996·2	— 6·9	279·3	283·2	31st	274·6	273·0	sev. dates	276·9	*276·6*	+0·6	13	— 5
1424	Santa Cruz	50 11	68 21	12	998·5	999·6	— 6·6	281·7	290·8	31st	272·8	266·4	21st	277·3	*277·4*	+0·9	17	+ 0
14240	Año Nuevo‡	54 39	64 8	50	..	..	..	278·0	280·8	31st	272·6	267·1	17th	275·3	*276·5*	0·0	72	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	999·5	..	279·3	284·1	31st	..	..	..	..	‡*276·7*	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	996·7	999·3	— 4·9	279·3	284·7	31st	273·8	270·2	11th, 12th	276·5	*277·0*	+1·0	..	..
1429	S. Georgia(Cumberland Bay)	54 14	36 33	4	999·6	1000·1	+ 0·8	276·5	282·9	17th	269·4	264·3	2nd	272·9	*273·0*	+1·6	143	+ 14
		S.	W.															

AUGUST—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44	44 39	7	989·5	990·4	— 4·9	268·3	273·6	21st	257·0	242·8	6th	262·7	263·3	0·0	72	+ 37
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS.—AUGUST 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SE	9·8	SE 3	SSW 3 SW 2	SW 1 SW 1	E 5 ..	Calm 0	E 3 E 3	Calm 0
2	SSE	6·0	SE 3	Calm 0 SW 1	S 1 S 2	E 6 ..	SE 2	E 2 E 4	Calm 0
3	SE	5·2	SE 5	Calm 0 SW 3	N 1 E 1	ESE 6 ..	Calm 0	E 3 E 3	N 3
4	SE	10·1	SE 4	WSW 5 Calm 0	E 1 SW 1	ESE 6 ..	Calm 0	E 3 E 3	N 3
5	SE	13·0	ESE 4	Calm 0 SW 4	SW 1 NW 1	ESE 7 ..	Calm 0	E 1 Calm 0	ESE 6
6	SE	11·7	SE 2	Calm 0 SW 2	E 1 NW 1	E 4 ..	Calm 0	S 1 ESE 3	SE 3
7	SSE	10·1	SE 3	WSW 1 SW 3	N 1 Calm 0	E 4 ..	..	ESE 2 E 1	SE 3
8	SE	8·4	SE 3	Calm 0 Calm 0	S 1 S 1	E 5 ..	Calm 0	E 2 E 2	SE 4
9	SE	11·0	SE 3	Calm 0 SW 3	S 1 S 1	E 5 ..	..	E 2 E 1	Calm 0
10	SE	10·8	SE 3	Calm 0 Calm 0	W 1 Calm 0	E 5 ..	Calm 0	E 1 E 1	E 4
11	SE	11·5	SE 1	Calm 0 SSW 2	SW 1 SW 1	E 4 ..	Calm 0	E 3 E 3	E 4
12	SE	12·2	SE 3	Calm 0 SSW 2	W 1 SW 2	E 4 ..	SE 2	E 2 E 2	E 3
13	SE	10·2	SE 3	NE 1 SSW 2	S 1 NE 1	SE 4 ..	..	E 3 E 2	NNE 3
14	ESE	11·2	ESE 2	Calm 0 Calm 0	S 1 S 1	SE 4 ..	SE 2	E 2 E 1	NNE 3
15	SE	9·5	SE 3	Calm 0 SW 2	SW 1 S 1	E 5 ..	SE 2	S 2 ESE 1	W 3
16	SE	5·0	SE 5	Calm 0 Calm 0	S 2 S 2	ENE 4 ..	Calm 0	E 1 E 2	Calm 0
17	Calm	4·5	SE 3	Calm 0 SW 3	SE 1 SW 1	E 4 ..	SE 2	E 3 E 5	N 4
18	SE	8·8	SE 3	Calm 0 SW 2	S 1 SE 1	ENE 4 ..	SE 2	E 4 E 3	NE 4
19	SE	6·9	SE 3	Calm 0 SW 1	NE 1 SE 1	ENE 4 ..	Calm 0	E 2 E 2	N 3
20	SSE	9·5	SE 4	SSW 5 SSW 6	S 1 S 2	E 4 ..	..	E 2 E 2	Calm 0
21	SE	7·2	SE 4	Calm 0 SW 4	S 1 NE 1	E 3 ..	SE 4	E 3 E 3	NE 3
22	SSE	?8·3	SE 4	SW 1 WSW 3	N 1 SE 1	ESE 4 ..	SE 2	E 3 E 4	NE 1
23	SSE	?8·2	SE 2	SSW 2 SSW 5	SE 1 S 1	E 4 ..	SE 2	E 4 E 4	Calm 0
24	SE	?6·2	SE 3	Calm 0 SSW 1	NE 1 SW 1	ENE 4 ..	Calm 0	ESE 4 ESE 4	NE 3
25	SSE	6·2	SE 3	Calm 0 SW 1	S 2 SE 1	E 3 ..	Calm 0	ESE 6 ESE 4	S 3
26	SE	7·6	SE 3	Calm 0 SW 1	E 2 SW 1	NE 4 ..	..	ESE 4 ESE 5	S 3
27	SSE	8·6	SE 3	Calm 0 SW 6	N 1 S 1	ESE 6 ..	..	SE 5 SE 5	SE 2
28	SSE	10·6	Calm 0	SW 4 SW 3	S 1 SE 1	SE 5 ..	Calm 0	ESE 3 E 6	SE 2
29	SSE	14·2	S 1	Calm 0 SW 3	NE 1 Calm 0	ESE 3 ..	SE 2	E 6 E 5	E 3
30	SE	12·5	SE 3	SW 2 SW 1	NE 1 SW 1	E 4 ..	SE 2	E 5 E 4	N 3
31	SE	10·3	E 4	SW 1 Calm 0	W 2 NW 1	NNE 4 ..	SE 4	ESE 3 E 4	..
Mean	..	9·2	3·0	0·8 2·1	1·1 1·2	4·5 ..	1·1	2·9 3·0	..
§Resultant	140° (92)	..	135° (93)	220° (50)	180° (37)	95° (90)	135° (48)	100° (92)	80° (33)
§Normal	141° (89)	8·1	‖123° (79)	250° (43)	250° (21)	93° (88)	135° (82)	‖105° (61)	103° (51)

‖ Normal refers to ½ (9 + 21). †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—AUGUST 1922.

‡‡*Kara Sea.*—The route from Jugor Strait to the Obj was free of ice in spite of northerly winds. The area covered was 97 × 10³ sq. km. compared with a normal of 137 × 10³ sq. km.

‡‡*Barents Sea* was nearly free of ice. The area covered was 84 × 10³ sq. km. compared with a normal of 320 × 10³ sq. km.

‡‡*Spitsbergen.*—At first scattered and close ice was observed along the coasts, but later they became free of ice, though an ice edge was met with in 81½°N. and another between White Island and King Charles Land. Fixed ice was also met with along the west side of Frans Joseph Land.

‡‡*Iceland.*—The coasts were free of ice. The normal duration of average ice conditions is 2 days visible.

‡‡*Greenland Sea and Denmark Strait.*—The ice edge was more westerly than usual. There was firm ice along the coast until the 20th, when it broke up except between Pendulum Island and Shannon Island, and a land water formed along Koldewey Island. At Angmagsalik there was alternately scattered "Storis" and open water from 8 miles offshore in the offing. The area covered was 352 × 10³ sq. km. compared with a normal of 551 × 10³ sq. km.

‡‡*N. Atlantic and Labrador.*—Eleven icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 16; the southmost occurred in 43°N. and the eastmost in 45°W. In Belle Isle Strait and off Labrador icebergs were numerous to about 300 miles offshore.

‡‡*Davis Strait and Baffin Bay.*—A narrow belt of scattered ice extended intermittently from Cape Farewell to Frederikshaab. From there to Upernivik the sea was free of ice. Icebergs were numerous north of 65°N. Early in the month a mass of west ice occurred in 67°N., 57°W. Frobisher Bay was free of ice but Cumberland Sound was full of pack which is unusual. From there to Ponds Inlet stretched a belt of winter ice. No middle pack was visible from Clyde River. On the 1st Ungava Bay was filled with winter ice, but by the 31st no ice was observed in Hudson Strait from Cape Wolstenholme eastwards.

‡‡*Melville Bay* was filled with close masses of ice which had been driven northwards out of Baffin Bay. In 75°N. unbroken floes prevented navigation.

‡‡*Bering Strait and Beaufort Sea.*—The ice retreated northwards during the month, Icy Cape was reached on the 15th, Point Barrow on the 26th and Herschel Island on the 30th, which is later than usual. Between the two latter points there was heavy ice everywhere, also lying close inshore.

‡‡ *I sforholdene i de arktiske Have*, 1922, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, SEPTEMBER 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF SEPTEMBER 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **SEPTEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1015·6	..	271·4	280·8	18th	267·0	257·4	25th	269·2	..	—3·2	10	— 3
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1008·8	1011·1	+ 2·7	275·7	279·9	8th	270·8	266·7	22nd	273·3	*272·7*	—1·1	39	+ 12
125	Jan Mayen	70 59	W 8 18	23·1	1003·5	1006·3	..	..	281·5	21st	274·4	269·4	13th	..	*275·7*	..	53	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1006·2	1007·6	— 2·0	..	280·8	1st	273·3	268·4	27th	..	274·5	+2·2	57	+ 38
139	Björnöen	74 28	19 15	40·5	1002·5	1007·5	..	..	..	..	275·3	..	..	..	*276·9*	..	98	..
140	Gjesvaer	71 6	25 22	6·5	1008·2	1009·0	+ 1·0	..	292·9	3rd	279·9	275·1	30th	..	*282·2*	+2·7	54	— 31
141	Mehavn	71 1	27 47	4·6	1008·8	1009·4	+ 1·2	..	290·9	3rd	278·9	273·6	30th	..	*281·6*	+2·1	42	— 41
142	Vardö	70 22	31 8	6·8	1009·4	1010·2	+ 1·4	..	287·4	7th	279·9	274·6	30th	..	*282·0*	+2·8	42	— 20
143	Malye Karmakouly	72 23	52 43	14·8	1010·7	1012·5	+ 3·5	281·2	286·4	17th	277·4	270·9	29th	279·3	*279·4*	+4·6	43	+ 3
147	Waigatz	70 24	58 47	11·2	1012·3	1013·7	+ 5·3	280·4	287·4	25th	276·4	271·3	30th	278·4	*278·4*	..	9	..
148	Dickson	73 30	80 23	13	1011·4	1013·0	..	275·4	278·6	18th, 19th	271·9	263·4	30th	273·6	..	..	26	..
153		N.	E.															

Between Latitude 70° N. and 60° N. **SEPTEMBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1008·8	+ 2·4	281·2	285·8	7th	275·5	267·4	25th	278·3	*278·3*	0·0	83	+ 15
204	Candle	65 55	161 57	2·4	..	..	..	282·2	287·4	7th	272·7	261·9	24th	277·4	..	0·0	..	..
205	Tanana	65 10	152 6	67·1	..	1011·8	+ 3·5	282·7	288·6	7th	272·9	260·8	25th	277·8	*277·4*	+0·1	52	+ 11
206	Rampart	65 30	150 15	122	..	..	..	280·5	285·8	11th	271·7	262·4	25th	276·1	..	—2·1	19	— 16
207	Valdez	61 7	146 16	8·2	..	1009·1	0·0	285·5	290·2	6th	276·7	270·8	30th	281·1	*280·7*	+0·4	31	—184
208	Eagle	64 46	141 12	254	..	1013·2	+ 4·4	281·7	288·6	9th	271·0	263·0	1st	276·3	*276·1*	—2·1	14	— 18
209	Dawson	64 4	139 20	328	971·4	1011·6	— 0·2	281·3	289·1	8th	270·2	265·2	1st, 3rd	275·8	..	—3·0	48	+ 10
210	Carcross	60 11	134 34	662	..	..	..	286·8	293·0	8, 14, 15	272·1	260·8	4th	279·5	..	—0·8	64	+ 39
211	Fort Good Hope	66 15	128 31	65·2	1007·8	1016·2	..	277·4	283·6	14th	271·8	265·8	4th, 26th	274·6	..	..	64	+ 46
212	Fort Simpson	61 52	121 35	159·4	..	..	..	284·7	294·7	25th	275·2	268·0	30th	279·7	..	—0·4	198	+163
213	Hay River	60 51	115 57	161	990·8	1010·1	— 0·6	283·5	298·6	25th	278·1	270·2	30th	280·8	..	+0·2	38	+ 5
225	Jacobshavn	69 13	51 2	12·6	1008·2	1009·8	+ 2·4	276·7	283·0	22nd	271·3	266·1	21st	274·0	*273·9*	—1·1	12	— 23
227	Godthaab	64 11	51 43	9·0	1005·4	1006·5	+ 0·6	278·3	282·2	7th	272·5	267·4	24th	275·4	*275·2*	—1·0	40	— 43
229	Ivigtut	61 12	48 10	13·0	1005·1	1006·7	+ 1·2	280·5	290·0	7th	274·5	269·6	24th	277·5	*277·3*	—0·7	79	— 74
231	Angmagsalik	65 37	37 33	31·7	1005·0	1009·0	+ 1·5	279·0	284·9	9th	272·1	268·1	17th	275·5	*275·2*	—1·0	23	— 75
232	Stykkisholm	65 5	22 46	25	1004·7	1007·8	+ 1·1	282·0	288·0	8th	275·3	271·0	19th	278·7	*278·7*	—1·1	42	— 27
233	Vestmanno	63 24	20 17	132	992·4	1008·6	+ 2·3	282·4	286·3	1st, 3rd	276·9	272·5	17th	279·7	*279·0*	—1·5	120	— 25
233a	Grimsey	66 33	18 1	22·0	1004·8	1007·5	— 0·3	279·4	285·7	9th	275·1	271·2	14th	277·3	*277·1*	—1·6	44	+ 10
234	Akureyri	65 40	18 5	4**	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1006·4	1008·6	+ 1·2	282·4	289·3	3rd	275·9	270·9	17th	279·1	*278·8*	—1·1	150	+ 27
236	Thorshavn	62 3	6 45	26·3	1007·6	1010·8	+ 0·8	283·3	287·9	1st	278·7	273·7	15th, 23rd	281·0	*281·0*	—1·1	159	+ 39
237	Lerwick	60 9	W 1 11	46·9	1007·5	1013·2	+ 1·8	284·3	286·9	1, 2, 6	280·4	275·8	18th, 20th	282·4	*282·7*	—0·9	105	+ 29
238	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1008·1	1013·5	+ 2·0	286·9	294·3	14th	281·0	275·6	24th	283·9	*283·8*	—0·4	135	— 59
239	Aalesund	62 28	6 10	6·3	1011·9	1012·7	+ 2·3	..	290·8	2nd	280·7	275·9	25th	..	*283·1*	—0·7	138	— 19
240	Trondhjem	63 26	10 25	39·5	1007·6	1012·4	+ 2·0	286·0	296·8	1st	278·8	262·3	25th	282·4	*282·2*	—0·2	63	— 21
241	Bodö	67 17	14 24	22·3	1008·2	1010·9	+ 1·4	..	294·0	1st	279·8	274·4	22nd	..	*282·4*	+0·7	131	+ 18
242	Haparanda	65 50	24 9	9·2	1010·8	1011·9	+ 1·4	285·0	292·0	14th	278·5	271·0	10th, 23rd	281·7	*282·2*	+1·5	35	— 25
242a	Helsingfors	60 10	24 57	11·7	1011·4	1012·8	— 0·4	287·1	291·3	13th	281·9	275·5	23rd	284·5	*284·6*	+0·8	59	— 5
243	Kuopio	62 54	27 40	90·3	1001·5	1012·4	— 0·2	286·6	293·5	6th	280·9	275·5	24th	283·8	*283·5*	+1·7	37	— 27
244	Kola	68 53	33 1	6·7	1010·4	1011·2	+ 1·7	285·7	292·2	14th	278·8	271·3	10th	282·2	*282·3*	+3·2	33	— 4
245	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
246	Arkhangelsk	64 34	40 31	6·3	1011·9	1012·7	+ 1·1	286·6	293·8	13th	279·5	274·9	10th	283·0	*282·8*	+1·8	68	+ 13
247	Mezen	65 50	44 16	14·9	1011·2	1013·0	+ 2·7	285·6	292·5	13th	277·7	270·9	11th	281·6	*281·5*	+2·3	37	— 8
248	Oust-Tsylma	65 25	52 18	? 68	1005·8	1014·1	+ 3·5	285·8	293·0	14th	277·9	269·6	11th	281·8	*281·4*	+1·9	19	— 35
249	Tcherdyn	60 24	56 31	?177	993·5	1015·0	+ 2·4	286·6	294·3	23rd	277·8	270·7	12th	282·2	*281·7*	+0·9	50	— 15
250	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1013·8	1018·7	+ 6·4	..	291·9	18th	275·4	270·9	14th	..	*280·1*	—0·6	23	— 25
253	Doudinka	69 23	86 4	20	1013·8	1016·2	+ 6·5	..	283·5	18th	271·8	266·3	22nd	..	*275·1*	—1·4	31	— 15
254	Touroukhansk	65 47	87 57	? 45	1012·3	1017·9	+ 5·6	..	286·0	2nd	273·5	263·6	24th	..	*277·8*	0·0	41	— 10
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	271·0	..	..	*275·8*	—2·4	32	+ 5
262	Iakoutsk	62 1	129 43	98	997·2	1009·2	— 3·0	..	294·2	1st	273·4	265·1	29th	..	*278·4*	—0·7	17	— 8
263	Verkholansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272		N.	E.															
		° ,	° ,	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.
** Height changed from 35 m. to 4 m. from September 1st.

SEPTEMBER—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	1010·8	+ 4·9	282·6	284·1	1, 7, 26	279·1	275·8	1st, 29th	280·8	..	+0·7	120	+ 25
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1015·2	+ 7·6	285·8	294·1	3rd	280·2	276·3	20th, 29th	283·0	*282·7*	+1·5	21	−135
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	284·3	290·2	5th	276·8	268·6	25th	280·6	..	−0·7	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1008·1	+ 2·0	286·9	291·9	5th	279·0	275·2	sev. dates	282·9	*282·3*	+0·1	‡ 47	− 80
307	55°–50° N. 150°–145° W.	††51 28	††147 30	§ (16)	..	1014·9	− 2·7	..	..	Sea Temp. 284·7|−0·6	..	..	..	..	284·7	−1·1	..	..
309	Sitka	57 3	135 19	27·4	..	1009·8	− 1·2	287·2	291·9	10th	279·9	275·2	4th, 6th	283·6	*283·3*	−0·4	337	+ 72
310	Prince Rupert	54 18	130 18	51·8	1006·6	1012·9	− 1·2	288·0	291·9	24th	280·8	277·4	5th, 7th	284·4	*284·5*	−0·5	251	+ 45
311	Barkerville	53 2	121 35	1274	867·8	1011·4	− 1·9	286·3	291·9	18th	275·8	271·3	2nd	281·1	*280·5*	+0·7	181	− 3
312	Kamloops	50 42	120 29	385	971·2	1016·0	− 2·2	295·8	301·9	11th, 19th	283·0	276·3	6th	289·4	*289·5*	+1·9	17	− 89
313	Calgary	51 2	114 2	1045	893·3	1010·6	− 1·7	295·2	304·1	24th, 25th	277·4	271·3	29th	286·3	*285·5*	+2·9	39	+ 7
314	Fort Chipewyan	58 42	111 10	218	982·7	1009·1	− 2·8	285·9	291·9	24th	276·5	270·2	9th, 12th	281·2	*281·7*	+0·8	25	− 13
315	Prince Albert	53 10	105 38	442	960·7	1012·7	− 0·2	293·0	305·2	27th	278·0	270·8	15th	285·5	*284·8*	+2·5	25	− 19
316	Qu'Appelle	50 30	103 47	645	937·7	1012·2	− 0·3	294·1	305·2	20th	279·7	269·7	10th	286·9	*285·7*	+3·0	21	+ 13
317	Minnedosa	50 15	99 50	515	954·3	1014·5	+ 0·6	293·6	301·9	4th	279·7	273·0	16th	286·6	*285·5*	+2·5	53	+ 13
318	Berens River	52 18	97 23	216	..	..	..	289·0	295·2	29th	276·8	271·9	13th	282·9	..	−2·3	59	+ 13
318a	Port Nelson	57 4	92 36	14·9	1012·8	1014·6	+ 2·1	284·7	298·0	1st	275·8	268·6	20th	280·2	..	+0·5	71	− 29
319	Fort Hope	51 33	87 49	‡260	983·4	1014·6	+ 0·4	289·7	299·1	1st	277·4	270·2	16th	283·6	*283·4*	+1·4	33	− 45
320	Moose Factory	51 14	80 30	9·1	1014·7	1015·8	+ 2·2	290·8	301·3	8th	278·6	270·2	11th	284·7	..	+0·9	22	..
321	Fort George	53 50	79 5	97·5	..	..	..	284·6	300·2	29th	..	..	..	..	..	..	..	− 34
322	Mistassini Post	50 15	73 55	383	..	..	..	287·9	296·2	2nd	275·4	265·4	25th	281·7	..	−0·6	58	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	287·0	294·1	12th	278·3	269·1	29th	282·7	..	+0·9	54	− 29
326	Belle Isle	51 53	55 23	133	995·7	1012·0	0·0	281·2	289·1	12th Sea Temp. 286·8|−1·8	276·7	271·9	26th, 30th	278·9	*278·8*	−2·0	86	− 53
333	53°–48° N. 20°–15° W.	††51 6	††17 35	§(49)	..	1009·3	..	..	..	283·5|−1·2	..	..	..	286·9	..	..	..	..
333a	62°–57° N. 20°–15° W.	††59 24	††17 23	§(64)	..	..	..	..	..	..	..	..	..	283·3	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1014·0	1015·7	+ 0·1	288·2	290·8	4th	283·8	278·6	29th	286·0	286·1	−0·6	100	+ 3
335	Aberdeen	57 10	W 2 6	26·8	1010·7	1014·0	+ 0·5	286·4	291·3	19th	280·1	274·1	22nd	283·3	283·5	−0·9	71	+ 3
336	Greenwich	51 28	0 0	46·3	1009·8	1015·4	− 1·7	290·5	295·8	21st	280·9	275·8	25th	285·7	285·6	−1·2	47	+ 9
337	Uccle	50 48	E 4 22	100	1002·5	1014·5	− 1·9	290·8	297·1	22nd	282·2	276·5	18th	286·5	285·5	−1·3	99	+ 35
338	De Bilt	52 6	5 11	3·0	1013·7	1014·1	− 2·6	290·0	295·1	23rd	282·2	277·2	19th	286·1	285·6	−1·2	97	+ 33
338a	Hamburg	53 33	9 58	40·3	1009·1	1014·0	− 2·1	288·0	292·0	1st	282·1	278·0	26th	285·1	*285·2*	−1·9	65	+ 1
339	Copenhagen (Meteor. Inst.) ‡	55 41	12 36	5·0	1012·7	1013·3	− 2·0	288·2	292·4	5th	281·8	273·7	27th	285·0	*284·6*	−0·5	79	+ 23
340	Potsdam	52 23	13 4	84·9	1003·9	1014·2	− 2·6	289·2	293·8	1st	281·2	274·2	26th	285·2	284·7	−1·4	69	+ 23
340a	Uppsala	59 51	17 38	24	1010·0	1012·9	+ 0·2	287·3	293·4	1st	278·4	271·2	28th	282·9	282·8	−0·4	67	+ 27
341	Warsaw	52 13	21 1	133	998·6	1014·4	− 3·9	288·9	299·6	1st	280·9	275·4	27th	284·9	285·0	−1·7	47	+ 27
342	Tartu (Dorpat)	58 23	26 43	74·5	1004·6	1013·6	− 0·6	288·6	296·3	1st	279·7	274·1	23rd	284·2	283·4	−0·2	25	+ 5
343	Petrograd	59 56	30 16	4·8	1012·4	1013·0	− 0·6	287·6	294·1	12th	281·4	274·3	24th	284·5	*284·3*	+0·7	57	+ 30
344	Kiiv	50 27	30 30	183	993·5	1015·4	− 1·8	289·2	300·8	1st	280·7	274·9	25th	285·0	*284·4*	−2·0	125	+ 29
344a	Moscow	55 50	37 33	167	994·4	1014·6	− 1·4	287·6	295·0	13th	278·5	273·3	24th	283·0	*282·8*	−0·1	34	− 3
345	Saratov	51 33	45 57	‡122	999·6	1014·3	− 2·1	290·2	298·3	15th	279·8	275·5	5th	285·0	*284·8*	−2·3	26	− 3
346	Kazan	55 47	49 8	79·9	1004·3	1014·0	− 2·1	289·7	297·6	21st	280·7	275·2	9th	285·2	*284·5*	+0·5	34	+ 23
347	Orenburg	51 45	55 6	109	1001·8	1015·0	− 2·8	290·8	297·9	18th	279·9	273·2	27th	285·4	*284·8*	−1·3	49	+ 27
348	Perm	58 1	56 16	163	996·3	1016·1	+ 1·7	287·0	294·0	16th, 18th	277·8	272·0	8th	282·4	*282·4*	+0·3	52	..
349	Sverdlovsk	56 50	60 38	281	982·7	1016·7	+ 2·5	286·3	294·5	22nd	276·5	270·7	5th	281·4	*281·0*	−0·8	48	+ 10
350	Tobolsk	58 12	68 14	108	1006·6	1019·8	+ 5·2	287·6	295·3	23rd	277·5	272·7	9th	282·6	*282·2*	−0·2	24	− 20
351	Akmolinsk	51 12	71 23	‡347	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 15
352	Omsk	55 13	73 22	‡108	1006·0	1019·2	+ 3·2	..	293·2	22nd, 23rd	277·3	270·8	13th	..	*282·5*	−1·1	41	+ 13
353	Barnaoul	53 20	83 48	162	999·4	1019·1	+ 1·8	289·0	292·6	1st	276·6	268·4	26th	282·8	*282·5*	−1·1	38	+ 15
354	Tomsk	56 30	84 58	122	1002·7	1017·7	+ 1·7	..	291·8	20th	276·4	267·7	26th	..	*280·9*	−1·2	53	..
355	Minousinsk	53 43	91 41	248	988·8	1018·9	+ 1·1	..	295·7	2nd	276·9	266·4	26th	..	*281·5*	−1·6	23	+ 34
356	Eniseisk	58 27	92 10	77·6	1007·1	1016·7	+ 0·8	..	288·5	5th	275·0	264·6	25th	..	*279·6*	−1·9	76	+ 34
357	Irkutsk	52 16	104 19	467	961·8	1017·9	− 0·3	286·3	294·7	2nd	273·6	261·1	27th	280·0	*279·5*	−1·4	28	..
358	Kirensk	57 47	108 7	263	983·4	1015·5	− 0·5	..	291·9	3rd	274·8	262·7	26th	..	*278·7*	−1·4	36	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 19
361	Tygan Ourkan	54 5	124 46	379	963·4	1008·7	− 4·3	286·6	294·4	1st	273·0	265·0	20th	279·8	*280·1*	+0·3	87	+ 50
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	991·1	1008·1	− 4·4	289·9	297·8	1st	278·8	270·0	20th	284·4	*284·0*	−1·1	121	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	285·3	289·5	6th	279·0	274·3	27th	282·2	*281·6*	−0·5	118	+ 15
369																		
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

SEPTEMBER—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	Dm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·1	1016·6	+ 0·2	290·8	299·1	11th	283·0	280·8	17th	286·9	286·2	+0·5	45	− 1
412	Portland, Oregon	45 32	122 41	46·6	1011·1	1016·6	− 0·2	296·3	306·9	11th	285·1	281·9	18th	290·7	*290·5*	+1·6	48	+ 1
413	Macleod																	
414	Helena	49 44	113 24	953	..	..	..	294·8	303·0	25th	281·7	271·9	9th	288·3	*288·1*	+3·7	17	− 15
414a	Salt Lake City	46 34	112 4	1253	875·0	1015·2	+ 0·5	296·4	305·2	20th	281·4	275·2	29th	288·9	*289·1*	+2·7	14	− 17
415	Cheyenne	40 46	111 54	1329	869·0	1014·5	+ 1·3	300·3	306·3	16th	287·1	281·3	9th	293·7	*294·1*	+2·4	0	− 24
416	North Platte	41 8	104 48	1856	817·1	1015·9	+ 1·7	296·0	301·9	17th	281·1	274·1	10th	289·0	*289·4*	+2·2	9	− 20
416a	Bismarck	41 8	100 45	859	919·4	1017·3	+ 1·7	301·7	309·7	4th	284·1	276·9	19th	292·9	*292·5*	+2·5	25	− 10
417	Winnipeg	46 47	100 38	511	956·6	1016·6	+ 1·6	296·6	309·7	4th	282·2	274·7	19th	289·4	*289·4*	+1·9	49	+ 17
418	Duluth	46 47	92 6	345	976·7	1017·9	+ 2·7	292·7	303·0	4th	282·4	275·8	16th	287·6	*286·8*	+1·1	57	− 30
419	Port Arthur	48 27	89 12	196	994·0	1017·5	+ 1·8	291·3	301·9	2nd	280·8	273·6	25th	286·1	*285·7*	+1·5	49	− 35
420	Chicago	41 53	87 37	251	989·8	1019·3	+ 2·1	297·3	309·7	2nd	290·4	284·1	26th	293·8	*293·8*	+1·7	111	+ 32
421	Toronto	43 40	79 24	116	1005·7	1019·5	+ 1·7	295·8	306·9	5th	285·2	275·2	26th	290·5	290·0	+1·8	76	+ 8
422	New York (Central Park)	40 47	73 58	47·4	1014·8	1020·4	+ 1·5	297·9	306·9	6th	288·3	279·7	26th	293·1	292·5	+0·1	87	− 4
423	St. John, N.B.	45 17	66 4	36·2	1014·3	1018·7	+ 1·2	289·1	297·4	4th	281·9	273·0	28th	285·5	*285·3*	−0·8	40	− 55
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·0	1015·1	+ 1·8	284·7	289·1	12th	279·7	272·4	29th	282·2	*282·4*	−0·1	43	− 26
424a	Sable Island (Main Station)	43 57	60 6	7·6	1016·8	1017·7	+ 0·1	291·3	295·2	1st	286·9	281·9	28th, 29th	289·1	*288·9*	+0·8	50	− 35
425	Port aux Basques	47 35	59 10	9·1	1015·1	1016·2	+ 0·8	287·4	293·6	7th	280·8	274·7	22nd	284·1	*283·8*	−0·2	137	+ 23
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°–45° N. 35°–30° W.	††47 20	††32 23	§(19–25)	..	1019·1	..	..	..	Sea Temp. 291·8|+2·0	..	..	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	941·4	1017·9	+ 1·9	295·4	301·6	22nd	284·0	278·7	12th	289·7	*289·0*	−1·9	40	+ 3
436	Nantes	47 15	W 1 34	36·5	1012·5	1016·9	− 0·8	291·6	299·0	21st	282·2	278·6	19th	286·9	286·7	−1·9	57	+ 3
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·2	1016·2	− 1·6	291·0	299·7	22nd	282·2	276·6	30th	286·6	286·4	−1·3	72	+ 19
438	Marseille	43 18	5 23	75	..	1013·4	− 2·8	295·3	301·0	20th	284·5	279·4	17th	289·9	*289·3*	−2·8	33	− 28
438a	Zürich	47 23	8 33	493	958·6	1016·5	− 2·0	290·0	298·8	23rd	281·2	277·1	30th	285·6	284·8	−2·2	94	− 9
439	Rome	41 54	12 27	45·5	1008·6	1013·8	− 2·9	298·9	300·4	22nd	288·5	285·2	21st	293·7	*293·2*	−0·7	107	+ 42
440	Vienna	48 15	16 22	203	990·0	1014·2	− 3·4	288·8	295·0	22nd	282·5	278·0	20th	285·7	285·5	−3·0	181	+131
440a	Budapest	47 31	19 2	130	998·2	1013·8	− 3·7	292·2	302·4	1st	283·3	275·8	20th	287·7	*287·2*	−1·7	116	+ 61
441	Sofia	42 42	23 20	550	951·7	1014·7	− 2·1	297·1	305·7	2nd	284·6	278·7	20th	290·9	*290·2*	+1·0	126	+ 73
442	Bucharest	44 25	26 6	82	1004·7	1014·4	− 3·1	298·1	306·8	2nd	284·6	279·3	27th	291·3	290·8	+0·3	31	− 9
443	Odessa (University)	46 29	30 46	65·3	1007·3	1015·1	− 2·8	291·1	301·0	3rd	285·1	277·0	27th	288·1	*288·5*	−1·3	50	+ 18
444	Kharkiv (University)	50 0	36 14	140	998·7	1015·5	− 2·5	290·1	300·1	16th	280·4	274·2	30th	285·2	*284·8*	−1·5	96	+ 64
444a	Novorossisk	44 44	37 49	37·1	1010·7	1015·1	− 0·9	295·4	300·5	1st	286·2	279·6	21st	290·8	*290·7*	−1·2	53	− 5
445	Tiflis	41 43	44 48	404	968·8	1015·4	− 0·8	296·8	303·8	5th	286·7	282·3	30th	291·7	291·4	−1·1	49	− 1
446	Astrakhan	46 21	48 2	− 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	− 23·5	1018·6	1015·8	− 0·9	293·9	300·9	19th	286·6	282·0	11th, 26th	290·2	*290·1*	−1·7	5	− 10
448	Krasnovodsk	40 0	52 59	− 5·9	1014·8	1014·1	− 1·0	299·5	306·1	8th	291·1	286·4	8th	295·3	*295·0*	−1·5	0	0
449	Kasalinsk																	
450	Tachkent	45 46	62 7	67	1007·4	1015·4	− 1·1	..	..	..	282·7	277·4	27th	..	*288·8*	−0·7	4	− 4
451	Narynskoe	41 20	69 18	478	957·6	1012·0	− 2·3	303·0	312·8	1st	285·8	281·8	12th	294·4	*293·3*	+1·2	0	− 4
452	Alma Ata	41 26	76 2	‡2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
461	Monkden	43 16	76 53	841	919·1	1013·4	− 1·6	297·2	307·2	1st	283·6	275·5	15th	290·4	*290·4*	+1·6	0	− 27
462	Joshin	41 48	123 23	43·8	1009·1	1014·3	+ 0·3	295·9	302·0	6th	283·6	272·8	29th	289·7	289·1	−0·2	122	+ 37
463	Yuki	40 40	129 11	31·9	1011·1	1014·9	+ 1·2	294·6	299·1	8th	287·0	279·4	30th	290·8	290·8	+0·2	157	+ 23
464	Vladivostok	42 20	130 24	65·6	1006·8	1014·6	+ 0·6	293·6	297·6	5th	285·2	278·4	22nd	289·4	289·4	−0·1	84	− 47
465	Ochiai	43 7	131 55	128	999·6	1014·9	+ 0·6	291·1	294·5	5th	285·8	278·2	21st	288·4	*288·4*	−1·2	123	+ 11
466	Nemuro	43 20	145 35	26·7	1011·5	1014·7	+ 0·8	292·0	300·6	5th	285·5	280·7	23rd	288·7	288·5	+0·4	92	− 49
466a	Syana	45 14	147 53	39·3	1009·4	1014·1	− 0·2	291·2	296·0	4th	282·6	275·7	18th	286·9	287·1	+1·0	150	+ 64
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

SEPTEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
508	35°–30° N. 145°–140° W.	††31 18	††141 52	§(17)	..	1021·0	− 1·4	..	..	Sea Temp. 295·2|+0·6	..	..	..	..	..	..	..	..
511	San Francisco	37 48	122 26	47·2	1007·8	1013·5	− 0·7	295·0	305·8	8th	285·8	284·1	30th	290·4	*289·0*	+1·9	0	− 8
512	San Luis Obispo	35 18	120 39	61·3	1005·9	1013·2	− 0·9	300·7	308·6	16th	284·3	279·7	29th	292·5	*290·9*	+2·0	0	− 7
513	San Diego	32 43	117 10	26·5	1008·5	1011·5	− 0·7	297·4	306·3	17th	290·8	287·4	30th	294·1	*293·5*	+1·7	0	− 2
514	Modena	37 48	113 54	1670	835·9	1014·2	+ 1·4	301·0	305·2	16th	281·8	276·3	30th	291·4	*291·3*	+2·8	1	− 25
515	Santa Fé	35 41	105 57	2138	791·5	1013·9	+ 1·0	297·4	301·3	14th	284·0	279·7	20th	290·7	*290·0*	+1·8	27	− 12
516	Denver	39 45	105 0	1613	840·9	1016·6	+ 1·7	299·1	304·1	7th	284·5	278·6	10th	291·8	*291·8*	+1·9	14	− 12
517	Abilene	32 23	99 40	530	955·7	1015·9	+ 0·9	304·7	310·2	7th	291·3	282·4	21st	298·0	*297·0*	+0·9	8	− 57
518	Saint Louis	38 38	90 12	173	997·9	1018·3	+ 1·0	301·7	310·2	2nd	290·7	283·0	26th	296·2	*296·1*	+2·0	63	− 18
519	Mobile	30 41	88 2	17·4	1014·5	1016·6	+ 0·7	304·1	307·4	7th	294·6	291·3	21st	299·3	*298·2*	+1·2	81	− 52
520	Nashville	36 10	86 47	166	999·5	1018·9	+ 1·0	302·4	307·4	2nd	290·4	284·7	26th	296·4	*296·1*	+1·2	83	− 5
521	Charleston	32 47	79 56	14·6	1015·9	1017·6	+ 0·1	301·4	305·2	3rd	294·4	289·7	24th	297·9	297·7	+0·3	29	− 97
522	Washington	38 54	77 3	34·1	1015·9	1020·0	+ 1·3	299·5	306·3	6th	288·6	280·8	26th	294·1	*293·4*	+1·0	159	+ 72
523	Bermuda	32 17	64 46	46·0	1013·5	1018·8	+ 1·5	301·9	304·1	14th	295·2	293·6	28th	298·6	*298·4*	−0·5	175	+ 43
524	Santa Cruz (Flores)	39 27	31 9	40	1021·1	1025·5	+ 3·2	297·9	300·3	3rd	292·7	289·9	26th	295·3	*295·3*	+1·1	116	+ 10
530	Horta	38 32	28 38	65	1018·2	1025·4	+ 3·7	298·7	300·6	3rd	292·3	289·3	26th	295·5	294·7	+0·5	11	− 65
531	Ponta Delgada	37 44	25 40	22	1022·8	1024·6	+ 3·6	296·7	298·8	28th	292·5	290·6	1st	294·6	294·3	+0·5	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
532a	Madeira (Funchal)	32 38	16 55	25	‡1018·3	‡1021·2	+ 2·0	298·3	305·8	20th	292·8	291·1	12, 13, 14	295·6	*295·6*	+0·7	18	− 80
533	Lisbon	38 43	9 9	95	1007·0	1018·2	+ 1·0	298·0	305·6	20th	289·6	286·3	15th	293·8	293·3	+0·1	0	− 30
534	Melilla	35 18	2 59	8	1015·8	1016·7	− 1·6	298·5	300·4	6th	290·8	288·2	16th, 30th	294·6	*296·3*	−2·6	15	− 21
535	Gibraltar	36 6	5 21	16·2	1015·7	1017·5	0·0	297·0	300·2	7th	290·4	286·9	30th	293·7	*293·3*	−1·8	14	− 8
536	Colomb-Béchar	31 36	2 4	769	927·6	1011·2	..	307·4	313·0	2nd	293·0	286·0	30th	300·2	*299·7*	..	43	+ 8
		N. ° ′	W. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

SEPTEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·0	1015·7	— 2·5	298·0	303·0	23rd	288·6	286·2	17th, 18th	293·3	..	—3·0	156	+104
538	Algiers (Bouzaréah)	36 48	3 2	342	976·4	1015·1	— 1·3	296·2	303·8	23rd	289·9	285·3	28th	293·0	292·6	—1·7	33	+ 3
539	Tunis	36 48	10 10	21	1013·3	1015·8	..	301·3	307·9	14th	291·5	285·9	18th	296·4	*295·7*	—0·9	34	+ 9
539*a*	Malta	35 54	14 31	56·4	..	1015·2	— 0·7	299·9	305·2	12th	294·7	291·9	19th	297·3	*296·6*	—0·1	2	— 30
540	Riposto	37 41	15 14	14·2	..	1016·6	— 1·2	300·8	306·2	3rd	293·9	291·0	18th	297·3	*296·6*	+0·2	3	— 64
541	Athens	37 58	23 43	107	1001·8	1014·1	— 1·0	302·1	307·5	4th	292·7	288·7	21st	297·4	297·1	+0·9	1	— 14
542	Alexandria	31 12	29 53	32·0	1010·2	1013·9	+ 0·3	303·8	307·2	15th	295·8	293·4	25th	299·8	*299·3*	+1·1	0	— 1
543	Nicosia (P.W.D.)	35 9	33 22	159	992·4	1010·3	— 0·4	306·8	311·9	5th	291·7	286·9	24th	299·2	..	+1·3	0	— 8
544	Beirut	33 54	35 28	33·7	..	1010·7	— 1·7	302·3	304·9	6th	296·2	294·2	27th	299·3	*299·2*	+0·2	0	—
545	Hinaidi (Baghdad)	33 20	44 26	43·0	..	1005·9	— 1·5	311·6	316·9	6th	294·9	288·0	24th	303·2	*302·5*	..	0	
546	Lenkoran	38 46	48 52	— 20·0	1017·5	1015·1	— 0·9	..	..	..	289·3	283·8	24th	..	*293·2*	—1·3	186	+ 4
547	Tehran	35 41	51 25	1220	..	..	..	302·3	309·3	1st	..	..	..	..	‡*291·4*	..	0	— 2
548	Meshed	36 16	59 35	946	877·7	..	..	301·4	309·6	1st	283·0	278·3	20th	292·2	..	+0·3	0	
549	Seistan	31 0	61 30	?	..	..	..	306·8	314·8	2nd	292·8	282·8	23rd	299·8	..	..	0	..
550	Quetta	30 11	67 3	1677	830·5	..	— 1·4	304·7	309·2	1st, 2nd	285·5	277·3	22nd	295·1	*294·9*	+2·3	0	— 20
551	Peshawar	34 2	71 37	339	967·6	1005·4	— 0·7	307·7	313·2	2nd	295·8	291·1	20th	301·7	*301·1*	+0·3	40	+166
551*a*	Lahore	31 34	74 20	214	980·3	1004·2	— 0·6	306·6	313·2	1st	297·5	293·7	25th	302·1	*301·3*	—1·0	252	+202
552	Simla	31 7	77 8	2205	780·5	..	— 0·1	290·9	294·3	12th	286·8	284·1	30th	288·9	*288·7*	—0·8	357	+ 14
552*a*	Leh	34 10	77 42	3503	666·9	..	— 0·5	294·4	301·4	3rd	280·2	274·3	22nd	287·3	*286·1*	+1·0	21	
559	Hankow	30 35	114 17	37·0	1008·5	1012·7	— 0·6	303·2	309·2	10th	293·9	286·6	30th	298·5	*298·0*	+0·9	8	— 58
560	Tientsin	39 10	117 10	5·0	1014·2	1014·8	— 0·1	299·4	306·0	1st	289·5	278·0	29th	294·5	*294·1*	+0·2	20	— 25
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1011·0	— 1·2	301·1	306·2	10th	293·2	287·9	20th, 30th	297·1	296·3	+0·5	283	+170
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1006·3	1014·2	+ 1·5	298·5	304·2	9th	290·3	279·9	29th	294·4	293·9	+0·6	105	+75
562*a*	Nagasaki	32 44	129 52	133	998·1	1013·3	+ 1·9	300·7	306·4	1st	293·8	288·0	23rd	297·3	297·0	+0·5	973	+178
563	Kyoto	35 1	135 44	42·9	1009·8	1014·8	+ 2·8	303·1	307·9	2nd	292·4	285·6	22nd	297·7	296·9	+1·7	55	+17
564	Tokyo	35 41	139 46	5·8	1012·8	1013·5	+ 0·3	300·9	305·5	5th	292·8	284·6	22nd	296·9	296·4	+1·5	45	— 35
565	Kanayama	37 53	140 46	24·6	1012·5	1015·4	+ 1·7	298·3	305·9	4th	290·3	283·7	30th	294·3	293·8	+1·4	189	+ 7
566	Miyako	39 38 N.	141 59 E.	30·4	1011·4	1015·0	+ 1·5	297·7	304·0	15th	288·5	279·2	22nd	293·1	292·4	+1·0	223	

SEPTEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1016·6	+ 0·5	302·9	304·7	5th	295·3	293·0	30th	299·1	*298·6*	..	133	..
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	+ 0·3	300·8	302·4	..	295·8	294·1	..	298·3	*298·2*	—0·3	38	— 1
614	La Paz	24 9	110 20	12	1007·7	1009·0	..	308·0	313·6	11th	296·1	294·2	6th	302·1	..	..	47	+ 18
615	Chihuahua	28 38	106 4	1423	860·8	1011·3	..	299·2	305·5	2nd	290·9	287·5	27th	295·1	*295·6*	..	94	+ 11
616	Leon	21 7	101 41	1809	823·2	1012·0	+ 2·1	299·1	302·3	9th	287·1	284·2	26th	293·1	*292·1*	—0·6	238	+ 81
616*a*	Monterry	25 40	100 18	528	954·3	1013·3	+ 1·0	302·3	309·0	7th	293·4	290·2	26th	297·8	*297·0*	—1·2	223	+ 58
617	Tulancingo	20 5	98 22	2180	790·4	..	..	294·8	299·0	10th	284·5	281·5	1st, 27th	289·6	*288·2*	—1·1	140	+ 5
618	Galveston	29 18	94 50	16·5	1013·8	1015·9	+ 0·5	302·3	305·8	6th	297·3	294·1	12th	299·8	*299·7*	+0·4	220	— 20
618*a*	New Orleans	29 57	90 4	16·2	..	1015·9	+ 0·8	303·6	306·9	6th	296·7	294·7	23rd	300·1	*299·5*	+0·8	24	— 20
619	Merida, Yuc.	20 58	89 38	22	1012·2	1014·7	— 0·1	304·5	305·6	20th, 21st	296·0	294·8	8th	300·3	*299·6*	+0·2	166	+ 104
620	Havana	23 8	82 21	24·3	..	1014·5	+ 0·6	304·3	306·3	17th, 21st	296·3	295·0	8, 24, 25	300·3	*299·4*	—0·3	204	+ 52
620*a*	Key West	24 33	81 48	6·7	1013·5	1014·2	+ 0·3	303·8	305·2	9th	298·0	294·7	9th	300·9	*300·8*	—0·1	141	+ 5
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	303·6	..	..	298·3	..	..	300·9	*301·1*	+0·2	213	— 20
622	Watling Island	24 6	74 26	33·5	1013·7	1017·5	+ 3·0	..	305·2	21st	..	297·4	3, 5, 19	..	*300·1*	..	..	
633	Izaña	28 19	16 30	2367	770·4	..	..	290·3	295·5	22nd	282·2	274·5	12th	286·3	*286·0*	—0·5	1	
634	La Laguna	28 28	W16 20	547	954·9	1017·2	+ 0·7	297·8	308·4	22nd	288·5	286·4	7th	293·2	*292·5*	—0·6	12	
641	Siwa	29 12	E25 29	— 23	1016·6	1013·9	..	308·9	313·9	13th	291·5	287·9	27th	300·2	..	..	0	
642																		
643	Cairo (Helwan)	29 52	31 20	116	999·0	1012·2	0·0	306·6	312·9	15th	293·1	290·7	23rd, 27th	299·9	*299·5*	+0·9	0	..
643*a*	Aswan	24 2	32 53	99·6	997·6	1008·8	+ 0·3	313·5	318·8	8th	296·9	293·0	24th	305·2	*304·9*	+1·5	..	..
644	Tor	28 14	33 37	1·9	1008·3	1008·4	— 0·1	305·7	315·2	8th	296·2	291·5	24th	301·0	*300·4*	+0·9	0	
647	Bushire	28 59	50 53	4·3	1003·7	1004·2	— 1·6	306·3	310·8	3rd	299·1	293·1	28th	302·7	*302·2*	—0·6	0	
648	Jask	25 44	57 47	4·0	1004·5	1004·9	— 1·2	306·9	312·6	21st	300·4	298·4	23rd	303·7	*303·2*	+0·1	0	
649	Karachi	24 53	66 57	4·0	1005·2	1005·7	— 1·1	302·6	303·8	19th	298·1	296·7	30th	300·3	*299·8*	+0·1	4	— 2
650	Jacobabad	28 17	68 29	56·7	997·7	1004·0	— 0·3	309·9	313·1	14th	299·6	294·3	25th	304·8	*304·2*	—0·4	0	— 20
651	Jaipur	26 56	75 52	436	957·6	1005·7	— 0·6	305·7	307·7	14, 23, 25	296·0	293·0	24th	300·8	*299·9*	—1·1	48	— 17
652	Nagpur	21 8	79 5	310	970·8	1005·5	— 0·9	303·8	306·4	26th	296·1	294·1	28th	299·9	*299·2*	—0·5	391	+166
653	Allahabad	25 25	81 51	94·1	994·4	1004·6	— 0·2	304·7	307·8	17th	298·4	296·3	30th	301·6	*300·9*	—0·5	252	+202
653*a*	Darjeeling	27 3	88 18	2266	776·1	..	— 0·1	291·7	294·9	14th	286·7	283·2	27th	289·2	*289·0*	+0·4	236	— 14
654	Calcutta	22 36	88 23	6·4	1003·7	1004·5	— 1·3	303·7	306·1	2nd	298·6	296·7	26th	301·1	*301·0*	—0·1	544	
655	Gauhati	26 8	91 41	59·7	1000·7	1007·4	+ 0·4	304·9	307·6	14th	297·9	295·6	25th	301·4	*300·5*	+0·1	142	— 24
655*m*	Cherrapunji	25 15	91 42	1314	866·5	..	— 0·3	296·5	299·7	15th	291·9	288·9	24th	294·2	*293·7*	+0·7	624	— 44
655*a*	Akyab	20 11	92 56	6·1	1005·5	1006·2	— 1·5	301·4	303·6	27th	298·1	296·9	23rd	299·7	*299·6*	—1·1	550	— 9
656	Mandalay	21 59	96 0	76·2	999·0	1007·5	— 0·6	306·5	308·9	30th	298·1	296·1	17th	302·3	*301·5*	—0·1	233	— 56
656*a*	Tengyueh	25 2	98 33	1625	833·7	1003·8	— 0·5	297·5	299·7	7th	288·8	284·7	13th	293·2	*292·4*	+0·5	114	— 9
657	Phu Lien	20 48	106 38	116	994·1	1007·3	— 0·6	303·9	307·0	11th	296·6	292·4	21st	300·3	*299·7*	—0·1	108	— 37
658	Moncay	21 31	107 51	9	1006·0	1007·1	— 0·7	304·9	308·0	28th	296·4	292·1	22nd	300·6	*300·8*	+0·1	109	+ 3
659	Hongkong	22 18	114 10	33·2	..	1006·5	— 1·9	302·8	305·9	17th	297·7	294·0	30th	300·3	299·9	0·0	252	+ 38
660	Amoy	24 27	118 4	ca.3	1005·4	1005·7	— 2·9	302·8	306·3	12th	298·6	296·3	7th	300·7	*300·4*	—0·4	130	— 20
661	Taihoku, Formosa	25 2	121 31	9·3	1006·2	1007·2	— 1·9	303·6	306·4	13th	296·0	293·0	24th	299·8	299·1	—0·1	367	+ 181
661*a*	Basco	20 28	121 59	18·7	1001·0	1003·4	— 2·9	303·0	305·5	8th	297·9	296·2	28th	300·5	*300·9*	+0·3	829	+ 481
662	Naha	26 13	127 41	10·5	1008·7	1009·9	+ 0·9	303·3	304·8	8th, 9th	297·1	292·8	22nd	300·2	299·7	+0·1	136	— 10
665	Titizima (Bonin Islands)	27 5 N. ° ′	142 11 E. ° ′	4·0 metres.	1012·4 mb.	1012·8 mb.	+ 1·1 mb.	302·1 a.	303·4 a.	8th, 14th	297·3 a.	292·7 a.	26th	299·7 a.	299·3 a.	—0·4 a.	139 mm.	— 21 mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.
†† Mean latitude and longitude of the observations. § Number of observations.

SEPTEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	954·2	1009·4	..	302·9	304·9	8th	293·1	290·8	9th	298·0	*296·8*	..	234	..
716	Morelia	19 42	101 7	1923	810·5	1010·7	..	294·5	296·8	20th	287·5	285·9	9th	291·0	*290·2*	..	143	..
717	Mexico, Tacubaya	19 24	99 12	2309	775·1	..	+ 0·2	290·3	301·0	6th	283·0	280·0	2nd	289·7	288·5	0·0	215	+112
718	Salina Cruz	16 12	95 12	56	1004·1	1010·5	..	303·1	305·5	7th	296·8	295·5	14th	299·9	*299·9*	—0·3	148	+ 38
719	San Salvador	13 42	89 13	682	936·2	1012·1	+ 0·4	303·8	305·5	2nd	291·4	290·2	14th	297·6	*295·1*	—1·0	2	— 43
720	Belize	17 29	88 12	5·2	1011·3	1011·8	+ 0·1	..	..	..	296·3	293·6	15th, 26th	..	‡*299·8*	+1·1	124	—111
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·0	+ 0·4	304·1	305·8	2nd	295·4	294·2	13th	299·7	*299·6*	—0·2	174	— 2
722	Port au Prince	18 33	72 20	37·4	1009·0	1013·3	+ 0·1	305·6	308·3	22nd	295·7	293·9	6th	300·6	*299·9*	—0·1	263	+ 78
723	Caracas	10 30	66 55	1042	899·4	1013·5	+ 0·7	299·2	301·2	28th	289·2	288·1	15th	294·2	*292·9*	—0·5	109	+ 6
724*a*	Montserrat	16 41	62 9	39·6	1008·6	1013·1	— 0·6	304·3	306·3	8th	296·1	294·1	3, 6, 7	300·2	*299·7*	—0·3	238	+ 73
725	Grenada (Richmond Hill)	12 5	61 46	155	‡993·9	‡1011·7	— 0·4	302·7	304·1	5, 9, 13	297·1	295·2	24th	299·9	*299·3*	+0·1	191	— 19
	Barbados	13 8	59 36	55·2	..	1012·8	— 0·1	302·3	303·4	4th	297·3	294·4	5th	299·8	*299·3*	+0·4	219	+ 22
731	São Vicente, C. Verde Is.	16 54	25 4	11	1011·1	1012·3	— 0·8	300·9	302·5	11th	294·6	291·5	6th	297·7	*298·6*	—0·4	32	— 16
732	São Tiago, C. Verde Is.	14 54	23 31	34	1008·6	1012·5	— 1·0	301·8	303·8	25th	297·4	295·2	23rd	299·6	*299·7*	—0·3	60	— 48
733	Bathurst	13 27	16 34	1·8	..	1013·5	+ 0·3	302·9	305·2	24th, 30th	295·4	294·1	3rd, 27th	299·2	*299·6*	—0·4	358	+103
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	304·3	306·9	25th, 26th	294·4	292·4	21st, 26th	299·4	..	—0·9	157	— 69
735	Niénébalé	12 57	7 26	300	..	..	..	304·6	307·4	29th	297·0	295·4	16th	300·8	..	..	..	..
735*a*	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	186	..
736	Timbuktu	16 43	W 3 2	270	..	..	..	310·1	313·3	28th	296·3	292·0	18th	303·2	*301·7*	—2·3	60	+ 23
737	Sokoto	13 2	E 5 14	353	..	..	..	305·6	309·7	27th, 28th	294·8	291·3	13th	300·2	*299·4*	—0·1	182	+ 75
738	Kaduna Capital	10 32	7 25	637	942·9	1014·3	— 0·4	300·9	304·1	19th, 26th	..	..	..	..	‡*295·8*	—0·5	272	— 13
739	Hadeija	12 40	10 5	?	..	..	..	305·4	309·1	30th	293·3	291·3	8th, 13th	299·4	*298·6*	—1·2	118	+ 46
740	Maiduguri	11 47	13 11	361	..	..	..	306·2	311·9	27th	295·1	291·3	13th	300·6	*299·9*	—0·4	122	+ 9
741	El Fasher	13 32	25 18	730	..	..	..	307·0	310·3	28th	290·3	287·6	25th, 28th	298·6	*297·9*	..	60	..
743	El Obeid	13 11	30 14	569	946·3	1009·5	+ 0·4	306·4	309·5	29th	293·7	291·2	5, 6, 7	300·0	*299·2*	—0·5	91	+ 4
743*a*	Khartoum	15 37	32 33	390	965·0	1007·9	— 0·1	310·2	312·9	29th	297·0	294·8	12th	303·6	*303·5*	—1·3	27	+ 9
744	Port Sudan	19 37	37 13	5·5	1006·0	1006·7	— 0·6	311·2	315·7	10th	298·0	295·3	21st, 22nd	304·6	*304·2*	—0·1	0	0
745	Berbera, Somaliland	10 22	45 2	9·5	1004·1	1005·1	— 2·6	314·9	317·4	16, 18, 21	301·5	298·6	11, 15, 29	308·2	*308·7*	+1·6	0	— 1
746	Aden	12 45	45 3	28·7	1003·4	1006·6	— 1·3	306·8	308·7	21st	300·4	297·6	9th	303·6	*303·2*	—0·5	0	— 4
751	Bombay	18 54	72 49	11·3	1007·3	1008·5	— 1·0	301·9	302·9	14th, 30th	297·7	296·4	22nd, 23rd	299·8	299·4	—0·4	177	— 92
752	Kodaikanal	10 14	77 28	2343	769·7	..	— 0·6	290·8	292·6	21st	284·1	282·3	5th	287·4	*286·5*	+0·2	230	+ 59
752*a*	Bangalore	12 59	77 38	920	908·9	1009·4	— 0·4	301·6	304·3	28th, 29th	291·6	290·3	23rd	296·6	*295·6*	+0·5	73	—103
753	Madras	13 4	80 14	6·7	1006·4	1007·2	— 1·1	308·1	310·2	21, 23, 24	298·6	296·3	8th	303·3	*302·7*	+0·9	48	— 85
754	Vizagapatam	17 42	83 19	11·6	1003·0	1004·4	— 1·5	305·1	307·9	21st	299·3	297·2	21st	302·2	*301·6*	+0·3	92	— 91
755	Port Blair	11 40	92 40	18·0	1005·8	1007·9	— 1·6	301·9	304·0	25th	297·2	295·6	2nd	299·6	*299·0*	—0·5	512	+ 45
756	Rangoon	16 46	95 48	5·5	1007·5	1008·2	— 0·8	302·9	304·9	27th	297·6	296·6	9th	300·3	*299·4*	+0·1	449	+ 62
757	Saigon	10 47	106 42	11	1006·4	1007·6	— 0·3	303·0	305·4	3rd	296·4	294·3	30th	299·7	*299·2*	—0·8	474	+134
758	Nhatrang	12 15	109 12	3·6	1005·9	1006·3	— 0·4	304·9	308·0	3rd	296·7	294·8	22nd	300·8	*300·3*	—0·1	141	— 33
759	Bolinao	16 23	119 53	7·1	1002·2	1003·1	— 2·9	304·0	306·0	1st	296·5	‡295·2	14th, 19th	300·3	*299·6*	—0·3	636	+ 84
761	Vigan	17 34	120 23	12·2	..	1004·4	— 2·5	303·7	305·9	10th	297·0	295·9	17th	300·3	299·9	0·0	620	+119
761*a*	Manila	14 35	120 59	14·2	..	1006·1	— 1·1	303·7	305·2	7, 8, 9	297·0	295·7	25th	300·3	*299·7*	—0·1	419	+ 56
762	Ormoc	11 0	124 36	5·6	1006·0	1006·7	— 0·6	304·4	306·6	21st	296·3	294·8	24th	300·3	*299·6*	0·0	640	+368
765	Guam, Ladrone Is.	13 24 N.	144 38 E.	20·4	1004·1	1006·7	— 0·5	302·5	304·3	19th	296·8	295·6	1st	299·7	*299·8*	—0·3	530	+130

SEPTEMBER—ZONE 8.

Between Latitude 10° N. and 0°.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1010·3	1010·9	..	304·7	306·3	7th, 9th	297·9	296·3	2nd	301·3	*300·8*	+0·3	36	— 53
821	Colon	9 23	79 23	11·0	..	1010·3	— 0·3	303·3	305·2	26th	296·9	295·8	8th	300·1	*299·7*	+0·4	323	+ 5
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	33	— 28
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·6	..	+ 0·2	298·1	300·0	7, 20, 30	288·2	287·0	10, 22, 27	293·2	*291·9*	+0·1	217	+ 59
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	306·3	308·4	16th	297·3	294·3	5th	301·8	*301·2*	..	67	— 25
824	El Peru, Guayanavieja	7 19	61 49	220	?985·1	?1010·1	— 0·3	303·3	304·4	11th	292·9	291·3	16th, 17th	298·1	*297·4*	—0·8	191	+ 77
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·9	+ 0·6	303·6	304·1	8, 10, 17	297·4	295·8	27th	300·5	*300·3*	—0·4	102	+ 24
826	Paramaribo	5 49	55 9	3·7	‡1013·5	‡1013·9	+ 1·0	305·6	306·9	20th	295·9	294·7	3rd, 19th	300·7	*300·4*	+0·9	122	+ 49
826*a*	Cayenne	4 56	52 21	6	1011·7	1012·4	— 0·1	306·7	311·0	10th, 18th	294·3	291·0	12th, 28th	300·5	*298·6*	—1·3	96	+ 65
831	10°—5° N. 30°—25° W.	††7 9	††26 41	§(56-69)	..	1012·4	— 0·6	..	..	Sea Temp. 299·5	—0·3	..	..	..	..	..	..	..
832	Konakri	9 31	13 43	16	..	..	..	..	..	..	..	..	..	..	..	..	970	+180
833	Freetown, Sierra Leone	8 29	13 9	68·3	1004·9	1012·8	+ 0·6	301·5	304·7	23rd	295·6	294·1	14th	298·6	*297·7*	—0·6	975	+252
835	Assuantsi	5 18	1 15	101	..	..	..	301·2	304·7	20th	294·4	290·8	5th	297·8	*297·3*	..	93	..
837	Accra	5 33	W 0 12	27·0	1011·2	1014·5	..	301·5	303·0	30th	295·4	294·1	16th	298·4	*298·0*	+0·8	86	+ 61
838	Lagos	6 27	E 3 24	4·6	1011·4	1011·8	— 0·6	301·5	303·0	22nd, 26th	296·6	295·2	20th	299·1	*298·3*	+0·3	288	+154
839	Zungeru	9 48	6 10	130	..	..	..	304·3	308·0	15th	291·3	289·1	17th, 28th	297·8	297·2	—1·1	389	+127
841	Yola	9 13	12 30	259	..	..	..	303·5	307·4	27, 28, 29	..	..	..	..	‡*298·8*	+0·1	182	— 4
	Wau	7 42	28 3	440	..	..	..	306·1	308·0	sev. dates.	291·3	288·0	10th, 16th	298·7	*296·8*	—1·4	58	—104
843	Malakal (Kodok)	9 35	31 37	394	966·3	1010·3	+ 0·1	304·9	307·8	20th	294·7	293·0	11th, 22nd	299·8	*298·2*	—0·1	130	— 8
843*a*	Mongalla	5 11	31 47	439	960·3	1009·0	0·0	..	..	..	..	..	..	..	..	..	82	— 42
844	Entebbe	0 5	32 29	1171	884·1	1010·9	+ 0·1	298·3	300·8	28th	289·1	287

SEPTEMBER—ZONE 9.

RÉSEAU MONDIAL.
Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·4	1011·3	— 0·1	302·5	304·1	1st	297·4	296·3	30th	299·9	*298·9*	—1·3	12	— 10
924	Manaos	3 8	60 1	43·8	..	..	..	305·3	307·6	22nd, 28th	296·4	294·6	2nd	300·8	*299·9*	—1·2	83	+ 42
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	— 0·2	305·5	307·2	22nd	295·7	293·5	9th	300·6	*299·3*	+0·4	16	— 2
927	Turyassu	1 43	45 26	15·1	1010·4	1012·1	+ 0·2	304·7	306·0	13th	295·5	294·6	26th	300·1	*299·2*	—0·3	12	— 21
928	Barra do Corda	5 30	45 16	81·0	1000·7	1009·9	— 0·7	307·7	309·6	20th	294·3	290·6	13th	301·0	*300·2*	+0·6	0	— 2
929	Quixeramobim	5 16	39 15	207	990·1	1013·4	+ 0·5	305·9	307·2	26th, 27th	295·6	294·4	18th, 21st	300·8	*300·4*	—0·4	0	+ 3
930	Fernando Noronha	3 50	W32 25	106	1001·4	1013·6	— 0·8	300·2	300·8	sev. dates	296·1	294·0	11th	298·2	*297·5*	+0·1	11	— 1
939	Loanda	8 49	E 13 13	59·3	..	1017·8	+ 3·5	296·3	298·3	29th	292·1	290·2	15th	294·2	293·8	—0·5	1	— 3
940	Brazzaville	4 17	15 16	320	978·8	1015·0	+ 1·8	304·5	309·0	16th	292·9	290·0	7th	298·7	*297·9*	+0·1	28	+ 29
943	Masaka	0 21	31 47	?1280	..	..	..	300·6	304·1	6th	283·7	283·0	sev. dates	292·2	*291·8*	—0·6	106	+ 2
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·4	300·2	28th, 29th	285·8	283·0	8th	291·6	..	..	17	+ 21
944*a*	Zanzibar	6 10	39 11	21·9	1015·8	1018·3	+ 0·1	300·6	302·1	29th	295·8	293·8	3rd	298·2	*297·2*	—0·4	35	+ 9
945	Lamu	2 16	40 50	3·1	..	..	..	300·2	301·3	14th, 25th	296·9	295·2	5th, 17th	298·6	*298·3*	—0·7	41	— 27
947	Seychelles, Port Office	4 37	55 27	4·6	1012·4	1012·8	— 0·2	300·5	301·4	29th	298·2	296·6	6th	299·3	*298·7*	+0·3	119	
957	Padang	0 56	100 22	6·7	..	1010·3	— 0·3	..	..	..	..	..	..	..	..	..	454	+ 47
958	Batavia	6 11	106 50	8·0	1009·2	1010·1	— 0·4	304·9	306·7	23rd	295·8	293·8	18th	300·4	299·8	+0·3	79	+ 6
958*a*	Pontianak	0 1	109 20	2·6	..	1010·1	+ 0·4	..	..	..	..	..	..	..	..	..	163	+ 7
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	0	0
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	14	
962	Amboina	3 42	128 10	4·2	..	1010·6	— 0·1	..	..	..	..	..	..	..	..	..	198	— 33
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	153	+ 29
965	Daru	9 4	143 13	7·6	..	..	..	301·9	..	..	296·3	..	..	299·1	*298·7*	+0·4	13	— 30
966	Port Moresby	9 29	147 9	39·0	..	1011·3	— 0·6	302·8	..	..	296·0	..	..	299·4	*298·9*	+0·6	35	0
967	Rabaul	4 9	152 12	20·7	..	1008·8	..	307·0	308·9	10th	295·4	294·0	25th	301·2	*300·4*	+0·5	92	+ 3
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	180	—147
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·2	1010·5	+ 0·2	?304·4	?305·2	16th	297·2	?296·3	4th, 26th	?300·8	*?300·6*	+0·6	426	+252
970	Ocean Island	0 52	169 35	54·0	1002·0	1008·1	— 0·1	304·1	305·2	4th	297·9	295·8	29th	301·0	*300·3*	+0·2	31	—100
		S.	E.															

SEPTEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1012·7	+ 0·5	302·2	304·1	14th	296·9	294·9	10th	299·5	299·3	+0·6	249	+119
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·1	305·8	22nd	294·4	289·7	12th	298·2	*298·0*	+1·4	129	0
1021	Arequipa	16 22	71 33	2451	761·2	..	0·0	288·4	294·1	26th	283·1	278·6	4th	285·7	*287·6*	—2·0	0	..
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	282·5	280·1	22nd	..	*288·4*	..	0	..
1023																		..
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	997·9	1011·0	+ 0·4	305·4	312·2	18th	293·1	282·0	1st	299·2	*299·5*	+0·8	56	— 11
1026	Cuyaba	15 36	56 6	165	992·0	1010·8	+ 0·5	308·0	312·0	15th	293·2	283·2	1st	300·6	*299·3*	—1·2	52	+ 18
1027	Bello Horizonte	19 55	43 57	895	916·4	1015·2	0·0	300·5	305·0	15th	288·4	285·4	18th	294·5	294·1	+0·9	53	— 25
1028	Caetite	14 3	42 37	897	..	..	..	..	..	..	..	..	..	..	..	..	..	+ 43
1029	Ondina (Bahia)	13 0	38 31	46·6	1010·8	1016·3	+ 0·4	299·6	301·9	24th	294·4	292·7	14th	297·0	*296·8*	+0·2	121	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	946·7	1016·4	0·0	290·8	292·7	19th	284·9	283·8	16th	287·9	*287·6*	+0·5	61	— 10
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	295·1	297·6	1st	..	..	..	..	..	..	0	..
1041	Elisabethville	11 39	27 28	1236	879·1	1011·7	+ 1·4	305·8	309·0	30th	284·3	280·7	12th, 13th	295·0	..	+0·5	0	— 4
1042	Gwelo	19 28	29 48	1417	864·0	1016·1	+ 0·5	301·3	308·0	29th	283·7	279·9	13th	292·5	..	+0·6	1	— 7
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡855·5	‡1012·0	— 0·5	302·2	306·9	29th, 30th	284·4	279·1	12th	293·3	*292·4*	+1·2	1	— 7
1044	Zomba	15 23	35 18	955	910·1	1014·9	+ 0·2	300·7	305·2	29th	288·3	284·1	12th	294·5	*294·4*	+0·7	6	— 11
1045	Antananarivo	18 55	47 32	1400	868·2	1022·0	+ 0·9	295·9	301·7	30th	282·7	279·3	1st	289·3	*287·9*	—1·2	4	..
1046	Tamatave	18 10	49 24	5	..	..	..	297·8	299·0	..	290·8	289·5	..	294·3	*293·8*	..	99	..
1047	Vohémar	13 21	50 1	3	..	..	..	302·1	304·5	..	292·7	291·0	..	297·4	*296·8*	..	59	..
1048	Antalaha	14 58	50 19	3	..	1016·0	..	..	..	..	..	..	..	..	..	..	..	—100
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·5	1015·0	+ 1·3	301·1	302·8	15th	297·2	295·5	20th	299·1	*298·8*	—0·1	13	— 57
1057	Christmas Island	10 25	105 43	5·5	1009·6	1010·2	— 0·3	303·7	304·7	..	295·4	293·6	..	299·6	*298·8*	—0·1	43	— 2
1061	Kupang	10 10	123 34	45·1	..	1011·4	— 0·2	304·8	308·1	5th	293·1	289·8	16th	298·9	298·6	..	0	— 5
1061*a*	Derby	17 18	123 40	16·2	1011·0	1012·9	— 0·1	306·3	311·9	12th	291·9	287·4	3, 4, 5	299·1	..	—0·3	0	— 5
1062	Hall's Creek	18 13	127 46	374	970·6	1012·8	— 0·5	307·0	309·2	24th	287·4	..	..	297·2	*296·7*	—0·4	0	— 5
1063	Darwin	12 28	130 51	29·6	1008·2	1011·6	+ 0·1	305·4	308·7	17th	295·8	293·9	1st	300·6	*299·5*	—0·5	11	— 5
1064	Daly Waters	16 16	133 23	211	986·4	1010·1	— 1·7	308·2	311·3	11th	289·7	284·1	2nd	298·9	*298·4*	—0·7	0	— 1
1065	Mein	13 13	142 47	122	996·8	1010·7	— 0·9	305·4	309·2	13th	289·9	285·8	11th	297·7	..	—0·9	1	— 6
1066	Georgetown, Queensland	18 22	143 32	302	978·9	1013·3	— 0·8	305·8	308·6	10th	287·7	278·9	13th	296·8	..	—0·5	0	— 9
1066*a*	Willis Island	16 18	149 59	8·5	1012·4	1013·4	..	299·7	301·3	23rd	295·3	292·9	1st	297·5	*297·1*	..		+ 10
1067	Samarai	10 37	150 40	15·2	..	1012·1	0·0	301·6	..	..	296·2	..	..	298·9	*298·7*	+0·5	307	+140
1072	Suva, Fiji	18 8	178 26	6·1	1014·0	1014·6	— 1·0	301·4	303·6	27th	292·9	290·6	30th	297·2	*297·0*	+0·6	322	mm.
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

SEPTEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·3	300·8	18th	292·9	289·7	14th	295·6	*295·4*	+0·7	59	— 52
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·4	1017·7	0·0	288·1	290·4	21st	284·1	282·0	18th	286·1	*286·0*	+0·3	3	— 1
1122	Iquique	20 12	70 11	9	1015·6	1016·7	+ 0·3	291·2	293·6	27th	285·6	282·8	6th	288·4	*288·6*	—0·6	0	0
1123	Catamarca	28 27	65 47	510	954·8	1012·9	+ 0·5	299·9	307·5	19th	284·2	275·4	1st	292·1	291·8	0·0	16	+ 9
1124	Salta	24 46	65 28	1178	883·1	1012·4	+ 0·9	297·6	305·9	17th	282·5	272·7	1st	290·1	290·3	+0·1	12	+ 3
1125	Goya	29 9	59 15	26	1011·3	1014·4	+ 0·5	296·9	304·5	17th	286·1	280·0	2nd	291·5	291·0	+0·6	72	+ 12
1126	Asuncion	25 21	57 37	93	1003·1	1013·9	+ 0·4	303·8	308·0	12th	288·0	278·8	1st	295·9	293·8	—0·2	30	— 49
1127	Curityba	25 25	49 17	908	915·3	1017·5	+ 0·2	294·2	298·7	30th	283·6	277·6	28th	288·9	*288·0*	+0·5	103	— 19
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1010·9	‡1018·0	+ 1·0	297·5	303·8	11th	291·6	287·7	18th	294·6	294·2	+0·3	19	— 47
1139	Windhoek	22 34	E 17 5	1669	..	..	..	300·2	304·4	26th	286·3	278·0	6th	293·2	*293·1*	+1·4	0	— 1
1140																		
1141	Kimberley	28 42	24 47	1202	884·6	1016·0	+ 0·2	300·7	305·2	26th	282·5	273·8	1st	291·6	291·3	+2·0	0	— 16
1141*a*	Johannesburg	26 11	28 4	1806	825·2	1018·3	+ 0·8	295·2	300·1	23rd	282·2	274·4	7th	288·7	*288·6*	+0·5	15	— 9
1142	Bulawayo	20 9	28 35	1340	870·9	1015·6	+ 0·3	299·9	307·9	29th	284·8	280·9	12th	292·3	*292·1*	—0·5	0	— 3
1143	Durban	29 52	31 3	15·2	1020·2	1022·0	+ 1·2	296·6	299·3	21st	289·1	285·1	8th	292·9	*292·4*	+0·8	53	— 28
1144	Lourenço Marques	25 58	32 36	59	..	1020·2	+ 1·0	299·3	310·6	22nd	289·8	286·4	8th, 12th	294·6	294·2	+0·6	38	+ 13
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	289·4	287·0	..	..	..	..	0	..
1146	Fort Dauphin	25 2	46 58	25	..	1021·3	..	..	..	..	..	..	..	..	..	..	0	..
1147	Mauritius	20 6	57 33	55·2	1014·2	1020·7	+ 0·5	297·1	300·1	28th	289·7	287·6	10th	293·4	293·2	—0·7	14	
1159	Onslow	21 43	114 57	4·3	1012·7	1013·6	— 0·9	303·3	308·6	28th	286·4	283·1	27th	294·9	..	+0·4	25	— 33
1160	Cue	27 27	117 52	454	962·6	1014·2	— 2·0	297·7	304·2	3rd	283·0	278·0	26th	290·3	..	0·0	49	— 29
1161	Nullagine	21 53	120 5	386	968·8	1012·6	— 1·5	305·0	309·7	17th	284·2	278·6	1st, 27th	294·6	..	—0·3	0	— 30
1162	Laverton	28 40	122 23	466	962·2	1015·8	— 0·8	298·4	306·6	16th	283·0	275·8	26th	290·7	*290·7*	+0·9	4	0
1163	Alice Springs	23 38	133 37	587	946·9	1013·5	— 2·7	301·2	306·9	18th	281·7	274·1	1st, 2nd	291·4	*291·5*	—0·2	1	— 5
1164	William Creek	28 55	136 21	76·2	1006·6	1015·7	— 1·2	298·5	309·7	25th	281·6	275·2	4th	290·1	*289·9*	+0·1	1	— 9
1164*a*	Boulia	22 55	139 38	146	996·2	1013·1	— 1·1	303·5	309·8	10th	285·7	281·3	1st	294·6	*294·7*	+0·2	5	— 6
1165	Thargomindah	27 58	143 43	123	999·7	1014·2	— 1·6	299·4	308·1	25th	283·3	278·3	10th	291·3	*291·1*	—0·4	0	— 9
1166	Mitchell	26 32	147 52	336	975·2	1014·3	..	299·9	307·4	19th	280·4	273·6	1st	290·2	..	+0·8	0	— 13
1167	Rockhampton	23 24	150 30	11·3	1013·5	1014·7	— 2·3	301·3	306·1	20th	288·1	283·0	11th	294·7	..	+0·5	1	— 33
1168	Brisbane	27 28	153 2	41·7	1011·6	1016·6	— 0·5	296·2	301·0	20th	285·7	282·0	22nd	290·9	*290·7*	—0·6	14	— 20
1170	Norfolk Island	29 4	167 59	15·2	1016·6	1018·3	— 1·4	292·2	294·7	9th, 10th	286·1	281·3	24th	289·2	*288·8*	—0·7	97	+ 45
		S.	E.														121	+ 24

Between Latitude 30° S. and 40° S.

SEPTEMBER—ZONE 12.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	289·0	292·0	24th	283·3	281·5	28th	286·1	*285·8*	+0·3	206	+123
1221*a*	Punta Tumbes	36 37	73 6	120	1002·4	1017·0	— 2·2	287·3	297·0	24th	280·3	278·0	3rd, 15th	283·8	*283·9*	—0·1	42	— 8
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·9	1016·9	— 1·3	289·2	294·5	21st	282·7	280·0	18th	285·9	*285·6*	—0·6	68	+ 37
1222*a*	Santiago	33 27	70 42	520	955·6	1016·7	— 1·1	290·3	300·0	22nd	279·3	274·0	17th	284·8	*284·1*	—0·1	39	+ 7
1223	Cordoba	31 25	64 12	423	966·6	1016·0	+ 0·3	295·2	304·0	..	280·4	270·6	..	287·8	287·7	—0·1	7	— 16
1224	Bahia Blanca	38 45	62 15	25	1013·3	1016·4	— 0·9	292·4	300·6	22nd	280·6	273·0	6th	286·5	286·4	+1·2	16	— 24
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1015·3	1018·3	+ 0·2	291·0	295·0	12th	282·3	276·3	7th	286·7	286·6	+0·8	53	— 23
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1015·7	— 1·6	289·4	293·5	9th	283·8	279·4	8th	286·6	*286·6*	+0·8	52	— 35
1226*a*	Porto Alegre	30 2	W51 13	23·5	1013·7	1016·5	— 0·9	294·5	301·6	27th	285·6	279·7	23rd	290·1	289·8	+0·3	96	— 20
1239	Cape Town	33 56	E 18 29	12·2	..	1019·3	+ 0·2	292·0	298·0	17th	283·1	278·6	1st	287·6	*286·3*	+0·2	22	— 36
1240	Danger Point	34 37	19 18	27·7	1016·5	1019·8	..	290·1	294·1	10th	284·0	279·7	24th	287·1	..	+0·3	8	— 54
1241	Riversdale	34 6	21 16	30·5	1007·4	1011·0	..	296·3	304·7	2nd	281·1	275·2	1st	288·7	..	..	20	— 20
1242	East London	33 0	27 55	44·8	..	1019·3	— 0·3	293·8	298·0	2nd	286·1	281·3	1st	289·9	..	+0·3	47	— 5
1259	Perth (Observatory)	31 57	115 51	60·0	1010·1	1017·6	— 0·3	292·1	298·9	2nd	282·4	278·9	19th	287·3	*287·2*	—0·3	56	— 29
1260	Katanning	33 42	117 35	310	979·3	1016·7	— 0·2	290·3	296·9	15th	277·9	273·1	10th	284·1	..	—1·0	29	— 21
1261	Coolgardie	30 57	121 10	423	966·8	1016·1	— 0·7	294·6	303·7	3rd	280·8	275·9	26th	287·7	*287·7*	—0·1	14	— 1
1262	Eucla	31 45	128 58	4·6	1015·5	1016·1	— 0·6	292·4	305·6	4th	281·9	276·3	22nd	287·2	*286·8*	—0·9	12	— 7
1263	Streaky Bay	32 48	134 13	13·1	..	1017·1	— 0·5	293·3	300·8	25th	281·2	275·2	3rd	287·2	*286·8*	—0·1	10	— 25
1264	Adelaide	34 56	138 35	42·7	1012·5	1017·6	+ 0·5	291·9	301·7	25th	281·6	276·6	21st	286·8	*286·6*	—0·1	41	— 11
1265	Melbourne	37 49	144 58	35·1	1013·1	1017·4	+ 1·6	289·4	297·2	25th	279·7	274·8	10th	284·6	*284·4*	—0·7	64	+ 3
1266	Sydney	30 13	145 58	110	1005·8	1018·8	— 0·9	299·2	306·3	25th	282·4	276·9	1st, 21st	290·8	..	+0·7	0	— 20
1268	Lord Howe Island	33 51	151 13	42·1	1011·9	1017·0	+ 1·1	292·6	300·5	19th	284·2	281·0	4th	288·4	..	+0·3	107	+ 34
1271	Auckland	31 20	159 0	4·6	1017·4	1017·9	— 0·2	292·9	295·1	26th	286·7	281·4	30th	289·8	..	—0·4	125	— 9
1272	Napier	39 32	176 53	21·3	..	1020·8	+ 6·7	288·9	295·2	11th	279·0	275·8	1, 2, 19	284·0	..	—1·0	77	— 15
		S.	E.														33	— 11

Between Latitude 40° S. and 50° S.

SEPTEMBER—ZONE 13.

		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1016·1	..	..	..	..	..	..	..	..	..	..	36	— 33
1321	Isla Guafo	43 34	74 45	140	999·5	1016·6	— 0·6	283·4	288·7	8th	279·4	276·5	7th	281·4	*281·2*	+0·5	63	— 8
1322	Punta Galera	40 1	73 44	40	1013·1	1018·0	— 0·2	284·7	286·6	25th	280·1	277·0	24th	282·4	*282·8*	+0·1	187	+ 14
1323	Sarmiento	45 30	69 0	274	980·2	1011·5	— 1·8	289·4	297·0	30th	275·8	269·5	7th	282·6	282·4	+1·4	2	— 9
1324	Punta Madryn	42 49	W64 58	14	1013·7	1015·1	+ 0·7	290·8	299·3	29th	277·5	266·0	3rd	284·1	284·8	+1·3	68	+ 54
1365	Launceston	41 27	E147 10	10·1	1015·5	1016·6	+ 5·0	289·8	291·8	8th	278·7	274·4	12th, 24th	284·2	*283·4*	+1·0	49	— 26
1366	Hobart	42 53	147 20	53·9	1010·2	1016·9	+ 6·3	287·9	292·2	29th	279·6	274·7	12th	283·7	*282·9*	+0·3	18	— 36
1370	Invercargill	46 25	168 21	3·7	..	..	..	287·3	292·4	29th	278·0	270·8	18th	282·7	..	+0·8	56	— 25
1371	Dunedin	45 52	170 31	91·4	..	1020·4	+ 8·9	286·3	292·4	7th, 9th	278·4	274·7	12th, 19th	282·4	..	+0·6	48	— 22
1371*a*	Christchurch	43 31	172 39	7·6	..	1019·5	+ 6·6	285·9	292·7	5th	277·7	272·2	7th	281·8	..	—0·6	64	+ 19
1372	Wellington	41 16	174 46	3·1	..	1020·6	+ 6·7	288·0	292·5	30th	280·1	273·8	1st	284·1	..	+0·2	64	— 37
		S.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

SEPTEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	997·5	1004·3	+ 0·3	279·7	282·8	14th	275·6	273·0	4th, 20th	277·7	*277·8*	0·0	259	+ 23
1422	Puerto de Punta Arenas	53 10	70 54	28	1001·2	1004·6	— 0·3	280·7	285·6	14th	275·4	272·0	7th	278·1	*278·2*	+0·6	35	+ 0
1423	Punta Dungeness	52 24	68 26	5	1004·2	1004·8	+ 1·0	280·4	285·0	14th	275·4	273·0	6th	277·9	*277·6*	0·0	0	— 7
1424	Santa Cruz	50 11	68 21	12	1005·9	1006·8	— 0·6	286·8	295·0	30th	275·2	271·2	7th	281·0	280·6	+1·2	1	— 4
1424a	Año Nuevo ‡	54 39	64 8	50	..	..	..	279·6	284·4	16th	273·5	269·5	9th	276·5	*276·3*	—0·1	47	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1001·5	..	280·4	285·8	1st	..	..	..	..	‡*279·3*	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1002·2	1004·8	— 0·7	279·7	284·1	27th	274·7	272·4	5, 7, 30	277·2	277·6	+0·5	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	996·7	997·2	— 3·0	276·7	281·7	19th	269·8	265·5	8th, 9th	273·3	*273·3*	0·0	138	+ 51

SEPTEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys	60 44 S.	44 39 W.	7	989·4	990·3	— 3·3	270·6	277·1	18th	262·3	250·7	7th	266·5	266·8	+0·7	31	+ 6
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—SEPTEMBER, 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SE	8·1	E 2	NE 1	Calm 0	N 1	SE 1	ESE 4	E 2	SE 2	E 3	E 3	SW 5
2	SSE	11·6	SE 3	Calm 0	WSW 3	S 1	N 1	E 3	SE 4	SE 2	E 4	E 4	Calm 0
3	SE	12·2	ESE 2	WSW 6	WSW 7	SW 2	SW 1	E 5	E 3	..	E 4	E 5	SE 3
4	SE	14·7	SE 3	WSW 4	SW 5	N 1	NE 1	SE 6	E 5	SE 2	E 3	E 1	SE 2
5	SE	11·7	SE 3	SW 3	W 2	N 1	SE 1	EbyN 5	EbyN 5	Calm 0	E 2	E 2	SE 0
6	ESE	8·2	SE 4	NW 1	NNW 2	E 1	S 1	EbyN 4	EbyN 5	Calm 0	E 2	E 3	SE 4
7	SE	7·5	ESE 1	SW 3	SW 4	NE 1	N 1	EbyS 4	NE 3	Calm 0	E 3	E 3	NE 4
8	SE	7·2	SE 3	Calm 0	SW 4	SW 1	SW 1	NE 4	NNE 2	SE 2	E 3	E 5	NE 5
9	SE	4·3	SE 1	Calm 0	SW 2	E 1	S 1	EbyS 4	EbyS 5	Calm 0	E 3	E 5	NE 3
10	SE	4·8	ESE 3	Calm 0	SW 3	S 1	SW 2	EbyS 4	EbyS 5	..	E 4	E 5	SE 3
11	SE	9·1	ESE 4	Calm 0	SW 4	S 1	S 1	EbyS 6	ESE 5	..	E 5	E 4	N 2
12	SE	10·4	ESE 4	SW 2	Calm 0	S 1	S 1	E 5	E 5	SE 2	ESE 5	ESE 4	N 2
13	SSE	8·9	ESE 3	SW 2	SW 2	SW 1	Calm 0	E 4	E 3	SE 4	E 2	ESE 3	NE 2
14	SE	7·5	SE 4	Calm 0	Calm 0	W 1	S 1	EbyN 4	E 3	SE 2	E 3	E 2	NNE 2
15	SE	8·6	SE 5	Calm 0	Calm 0	S 2	S 1	EbyN 5	E 4	SE 2	E 2	E 3	Calm 0
16	SSE	10·5	ESE 5	Calm 0	Calm 0	SE 1	SW 1	E 5	E 5	SE 4	E 4	E 4	SE 3
17	SE	7·4	E 4	Calm 0	SW 3	S 1	SE 1	ENE 5	E 5	SE 2	E 4	E 4	N 3
18	SSE	8·0	SE 4	Calm 0	SW 0	S 1	SW 1	EbyS 5	ESE 4	SE 2	ESE 3	ESE 4	NNE 3
19	SE	11·2	SE 4	Calm 0	SW 4	S 1	SE 2	SE 5	ESE 5	Calm 0	ESE 2	ESE 3	N 3
20	SSE	12·2	SE 4	Calm 0	Calm 0	S 1	S 1	ESE 4	ESE 4	..	ESE 4	ESE 4	NW 2
21	SSE	11·7	SE 4	Calm 0	WSW 3	SW 1	S 1	ESE 5	ESE 5	Calm 0	ESE 4	ESE 4	SSE 2
22	SSE	11·6	SE 3	Calm 0	SW 3	S 1	SW 1	ESE 5	ESE 4	SE 2	E 5	E 5	Calm 0
23	SE	9·5	E 8	ENE 2	Calm 0	S 1	S 2	EbyS 4	E 4	Calm 0	E 4	E 4	SE 4
24	SSE	11·0	SE 2	Calm 0	SW 3	N 1	NE 1	EbyN 4	E 3	..	E 4	E 3	E 5
25	SE	13·7	SE 2	Calm 0	SW 3	N 1	S 1	E 3	EbyS 4	..	E 3	E 1	W 2
26	SSE	10·7	SE 3	SW 2	Calm 0	N 1	NE 1	EbyS 5	E 4	Calm 0	ESE 3	ESE 3	E 4
27	SE	6·3	SE 3	SW 2	Calm 0	N 1	N 1	E 4	EbyN 3	SE 2	ESE 2	ESE 2	Calm 0
28	SSE	4·7	SE 3	Calm 0	Calm 0	N 1	E 1	EbyS 4	E 3	Calm 0	E 2	Calm 0	Calm 0
29	SSE	4·2	ESE 3	Calm 0	Calm 0	NE 1	E 1	E 5	NNE 4	SE 2	ESE 1	E 1	NNE 2
30	SSE	7·5	ESE 3	Calm 0	WSW 4	NE 1	SW 1	ENE 4	E 3	Calm 0	ESE 2	ESE 2	SE 3
Mean	..	9·2	3·3	0·9 2·2	1·1 1·1	4·5 3·9	1·3	3·1 3·1	2·6
§Resultant	145° (94)	..	125° (94)	235° (38)	170° (29)	90° (92)	135° (58)	95° (94)	75°(33)
§Normal	143° (91)	8·8	‖124° (80)	260° (33)	255° (29)	‖‖ 89° (88)	133° (81)	‖102° (48)	102° (59)

‖Normal refers to ½ (9 + 21). ‖‖Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—SEPTEMBER 1922.

‡‡*Kara Sea.*—The route from the Obj to the Jugor Strait was free of ice.

‡‡*Spitsbergen.*—All along the west coast the sea was free of ice.

‡‡*Greenland Sea and Denmark Strait.*—At Angmagsalik there was scattered "Storis" all along the coast early in the month. From the 11th to 17th close "Storis" was lying towards the north as far as might be seen, and from the 22nd to 30th a broad belt of "Storis" was lying 4 miles from the coast, otherwise there was no ice.

‡‡*N. Atlantic and Labrador.*—Two icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 11; the southmost occurred in 44°N. Off northeast Newfoundland and Belle Isle the icebergs reached to 270—350 miles offshore, though near the coast no icebergs were observed. Several icebergs were met with in Belle Isle Strait.

‡‡*Davis Strait and Baffin Bay.*—On a few days small masses of ice were observed from Cape Farewell, Nanortalik, and in Julianehaab Bay. From here to Upernivik the sea was free of ice, but from Holstensborg northwards there were many icebergs about 50 miles offshore. There was no middle pack in Baffin Bay. Ponds Inlet and Cumberland Sound were full of pack ice, but between the two, the ice reached to 20 miles offshore from Ponds Inlet to Cape Dier and from there to Cumberland Sound only 5 miles offshore. In Coutts Inlet the ice did not break this year.

‡‡*Bering Strait and Beaufort Sea.*—From Point Barrow to Cape Bathurst, which was reached on the 6th the ice was lying close inshore. By the 19th the young ice here was about 20 cm. thick. South of Point Belcher the edge curved into the Polar Sea. During the latter part of the month the ice was extending southwards to a little north of the narrowest part of Bering Strait, and at East Cape there was a belt of coast ice 6 miles wide.

‡‡ *Isforholdene i de Arktiske Have, 1922 and 1923*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, OCTOBER 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF OCTOBER 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

OCTOBER—ZONE 1. Between Latitude 80° N. and 70° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1017·6	..	263·2	274·7	2nd	258·4	246·9	28th	260·8	..	—3·4	30	+ 10
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1007·1	1009·5	+ 0·5	274·2	281·8	25th	267·9	256·7	1st	271·1	*271·3*	+2·3	33	+ 5
125	Jan Mayen	70 59	W 8 18	23·1	1012·7	1015·6	..	..	279·5	7th	271·6	261·1	30th	..	*272·8*	..	61	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1008·9	1010·4	+ 0·2	..	278·7	8th	267·2	261·2	23rd	..	268·9	+2·1	57	+ 28
139	Björnöen	74 28	19 15	40·5	1004·0	1009·1	..	..	..	..	271·4	..	..	..	*273·1*	..	23	..
140	Grisvaer	71 6	25 22	6·5	1007·2	1008·0	+ 0·2	..	283·1	9th	274·3	267·9	30th	..	*276·2*	+1·1	80	+ 3
141	Mehavn	71 1	27 47	4·6	1006·7	1007·3	— 0·6	..	282·7	9th	272·8	264·7	30th	..	*275·1*	+0·5	106	+ 18
142	Vardö	70 22	31 8	6·8	1006·4	1007·2	0·0	..	283·8	10th	274·0	266·9	31st	..	*276·1*	+1·3	79	+ 15
147	Malye Karmakouly	72 23	52 43	14·8	1002·8	1004·7	— 3·5	273·2	279·1	11th	268·9	263·2	31st	271·0	*271·0*	+1·4	22	— 8
148	Waigatz	70 24	58 47	11·2	1001·2	1002·6	— 4·6	273·3	277·5	10th	268·9	261·9	28th	271·1	*271·2*	..	20	..
153	Dickson	73 30	80 23	13	1007·4	1009·1	..	264·6	273·7	9th	260·0	248·4	30th	262·3	..	..	6	..
		N.	E.															

Between Latitude 70° N. and 60° N. **OCTOBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1002·4	— 3·0	275·1	281·9	7th	269·7	258·6	28th	272·4	*272·2*	+1·0	48	+ 11
204	Candle	65 55	161 57	2·4	..	..	..	273·2	281·9	1st	266·6	250·8	26, 29, 30	269·9	..	+1·6	..	..
205	Tanana	65 10	152 6	67·1	..	1006·1	— 0·2	273·4	281·9	4th	268·6	260·2	27th, 28th	271·0	*270·8*	+3·1	54	+ 27
206	Rampart	65 30	150 15	122	..	..	..	271·1	279·1	16th	267·9	258·0	28th	269·5	..	+2·2	54	+ 29
207	Valdez	61 7	146 16	8·2	..	1006·1	+ 0·8	280·2	285·2	15th	274·2	267·4	31st	277·2	*276·7*	+1·1	237	+ 60
208	Eagle	64 46	141 12	254	..	1009·5	+ 0·5	275·9	284·7	8th, 11th	269·1	257·4	28th	272·5	*272·1*	+3·6	8	— 13
209	Dawson	64 4	139 20	328	969·5	1010·2	+ 0·1	275·2	283·0	11th	268·6	262·4	9th, 28th	271·9	..	+2·7	12	— 18
210	Carcross	60 11	134 34	662	..	..	..	278·6	284·1	3rd	270·1	263·6	22nd	274·3	..	+0·4	5	— 21
211	Fort Good Hope	66 15	128 31	65·2	1009·1	1017·6	..	269·9	280·8	8th	262·5	245·2	22nd	266·2	..	..	22	— 4
212	Fort Simpson	61 52	121 35	59·4	..	..	..	275·8	286·3	6th, 7th	267·4	259·7	31st	271·6	..	+2·4	139	+109
213	Hay River	60 51	115 57	161	992·9	1012·2	+ 0·4	277·7	288·0	5th	269·3	261·9	22nd, 25th	273·5	..	+0·8	105	+ 77
225	Jacobshavn	69 13	51 2	12·6	1007·5	1009·1	+ 1·5	274·7	285·2	20th	269·2	263·7	14th	271·9	*272·0*	+2·7	9	— 15
226	Godthaab	64 11	51 43	9·0	1004·2	1005·3	+ 0·1	276·5	284·2	20th	270·7	265·4	10th	273·6	*273·5*	+1·3	33	— 30
227	Ivigtut	61 12	48 10	13·0	1005·9	1007·5	+ 2·1	278·5	284·2	22nd	272·8	268·7	10th	275·7	*275·4*	+1·4	140	— 9
229	Angmagsalik	65 37	37 33	31·7	1009·6	1013·6	+ 7·2	275·4	281·4	5th	270·9	264·1	31st	273·1	*273·0*	+1·2	166	+ 14
231	Stykkisholm	65 5	22 46	25	1011·6	1014·7	+ 9·6	280·2	287·0	6th	275·0	265·9	31st	277·6	*277·7*	+1·5	107	+ 30
232	Vestmanno	63 24	20 17	132	998·8	1015·1	+10·0	281·2	284·4	16th	277·0	264·7	31st	279·1	*278·3*	+0·6	108	— 39
233	Grimsey	66 33	18 1	22·0	1012·2	1014·9	+ 7·5	279·2	285·9	16th	275·0	263·7	30th	277·1	*276·9*	+1·2	17	— 18
233a	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
234	Teigarhonn (Berufjord)	64 41	14 22	18·0	1014·3	1016·5	+10·2	280·4	286·1	19th	275·2	265·3	31st	277·8	*277·5*	+1·0	101	— 25
235	Thorshavn	62 3	6 45	26·3	1016·3	1019·6	+12·0	281·2	285·0	8th	277·3	267·8	31st	279·3	*279·3*	—0·2	40	—116
236	Lerwick	60 9	W 1 11	46·9	1014·7	1020·5	+12·2	282·0	285·8	14th	278·4	273·0	30th	280·2	*280·4*	—0·7	47	— 53
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1014·5	1020·0	+10·2	281·8	286·8	16th	276·5	270·0	31st	279·1	*279·1*	—1·4	116	— 89
238	Aalesund	62 28	6 10	6·3	1019·0	1019·8	+11·2	..	286·0	10th	276·5	270·5	30th	..	*279·0*	—1·5	141	— 19
239	Trondhjem	63 26	10 25	39·5	1013·5	1018·4	+ 9·5	279·3	283·7	2nd	274·8	264·0	31st	277·1	*277·0*	—0·7	118	+ 33
240	Bodö	67 17	14 24	22·3	1011·0	1013·7	+ 4·9	..	283·4	10th	275·0	267·0	31st	..	*277·9*	+0·5	107	+ 5
241	Haparanda	65 50	24 9	9·2	1010·6	1011·8	+ 0·4	276·3	283·0	11th	270·4	255·0	31st	273·3	*273·5*	—0·9	21	— 35
242	Helsingfors	60 10	24 57	11·7	1011·9	1013·4	— 1·0	278·7	284·4	15th	273·3	264·3	29th	276·0	276·2	—2·2	14	— 52
242a	Kuopio	62 54	27 40	90·3	1000·3	1011·5	— 1·1	277·0	284·5	1st	272·9	263·0	31st	275·0	*274·8*	—1·4	51	0
243	Kola	68 53	33 1	6·7	1007·4	1008·2	— 0·9	275·9	283·5	10th	271·0	257·7	31st	273·4	*273·3*	+0·8	32	+ 5
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1006·6	1007·4	— 4·9	276·3	281·8	2nd	272·6	264·6	31st	274·4	*274·4*	+0·2	64	+ 24
246	Mezen	65 50	44 16	14·9	1003·6	1005·5	— 5·4	275·1	281·5	10th	270·3	255·3	30th	272·7	*272·9*	+0·7	65	+ 37
247	Oust-Tsylma	65 25	52 18	? 68	996·4	1005·0	— 7·1	273·6	283·0	6th	269·0	258·9	30th	271·3	*271·2*	0·0	36	0
248	Tcherdyn	60 24	56 31	?177	986·4	1008·5	— 7·3	275·0	282·3	6th	270·0	260·6	20th	272·5	*272·3*	—0·3	75	+ 24
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1003·9	1008·9	— 4·3	..	283·7	8th	267·3	256·6	31st	..	*270·8*	+0·3	37	+ 2
252	Doudinka	69 23	86 4	20	1005·8	1008·4	+ 0·3	..	276·3	3rd	258·7	244·5	30th, 31st	..	*261·7*	—2·5	4	— 15
253	Touroukhansk	65 47	87 57	? 45	1003·4	1009·2	— 4·4	..	278·0	3rd	263·7	250·7	29th	..	*266·0*	—0·1	22	— 10
254	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	247·5	..	..	*261·5*	—3·4	27	+ 10
261	Iakoutsk	62 1	129 43	98	1002·0	1014·8	— 1·3	..	272·4	7th	258·9	249·1	30th	..	*263·1*	—2·1	12	— 6
262	Verkhoïansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
263																		
271																		
272																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	998·3	— 6·4	279·3	282·4	1, 8, 14	275·6	269·7	28th	277·4	..	+0·6	68	— 22
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	998·6	— 6·7	280·8	287·4	2nd	276·0	270·8	27th	278·4	*278·2*	+0·1	172	— 44
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	279·3	286·3	5th	273·3	261·3	27th	276·3	..	+0·9	64	— 6
306	Kodiak (Radio)	57 40	152 22	6·1	..	999·3	— 2·9	284·3	287·4	sev. dates	277·2	270·2	27th	280·7	*279·8*	+1·6	242	+ 69
307	55°—50° N. 150°—145° W.	††51 29	††147 42	§ (20)	..	1005·1	— 2·4	..	..	Sea Temp.	283·0	+0·6	..	..	281·9	—0·6	..	..
309	Sitka	57 3	135 19	27·4	..	1009·5	+ 1·2	285·4	290·2	1st, 15th	277·3	271·9	31st	281·3	*280·9*	+0·6	168	— 14
310	Prince Rupert	54 18	130 18	51·8	1005·9	1012·2	+ 0·2	285·2	293·6	10th	278·0	271·9	28th, 31st	281·6	*281·9*	+0·2	381	+ 50
311	Barkerville	53 2	121 35	1274	867·8	1013·3	— 0·8	282·4	287·4	11th	272·4	264·1	29th	277·4	*277·1*	+1·6	57	— 24
312	Kamloops	50 42	120 29	385	973·1	1019·3	— 0·8	286·9	292·4	23rd	277·4	270·2	29th	282·2	*282·2*	+0·6	32	+ 17
313	Calgary	51 2	114 2	1045	893·6	1014·0	+ 0·5	288·0	295·8	7th	271·9	263·6	30th	279·9	*278·9*	+1·5	6	— 11
314	Fort Chipewyan	58 42	111 10	218	985·1	1012·8	+ 0·5	278·5	297·4	7th	269·2	258·6	16th	273·8	*274·1*	0·0	57	+ 5
315	Prince Albert	53 10	105 38	442	961·7	1015·4	+ 1·8	281·3	293·6	1st, 9th	273·0	266·3	17th	277·2	*276·6*	+0·6	27	+ 3
316	Qu'Appelle	50 30	103 47	645	936·2	1013·0	— 1·1	284·1	295·2	1st	273·0	265·2	17th	278·6	*277·5*	+1·2	35	— 13
317	Minnedosa	50 15	99 50	515	952·8	1014·9	— 0·4	283·0	300·2	1st	273·0	263·6	17th	278·0	*277·2*	+0·4	13	+ 1
318	Port Nelson	57 4	92 36	14·9	1013·0	1014·9	+ 2·2	282·3	293·0	1st	268·6	262·2	29th	275·4	..	—2·1	44	+ 4
318*a*								273·0	289·1	8th	264·7	253·0	23rd	268·8	..	—2·0	40	..
319	Fort Hope	51 33	87 49	‡260	983·4	1015·9	+ 1·8	276·9	296·9	1st	266·3	256·3	24th	271·6	*271·7*	—2·9	16	— 10
320	Moose Factory	51 14	80 30	9·1	1012·0	1013·1	— 0·7	278·0	296·9	2nd	269·7	256·3	24th	273·8	..	—3·5	13	— 37
321	Fort George	53 50	79 5	97·5	..	..	..	277·4	285·8	2nd	..	..	..	..	..	..	..	— 4
322	Mistassini Post	50 15	73 55	383	..	..	..	277·7	295·9	3rd	268·7	261·6	19th	273·2	..	—2·0	83	— 8
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	280·6	288·6	4th	273·5	266·9	17th	277·1	..	+0·5	100	+ 3
326	Belle Isle	51 53	55 23	133	988·3	1004·8	— 5·8	277·2	285·2	2nd	273·1	269·1	14th	275·1	*274·9*	—0·8	..	..
333	53°—48° N. 20°—15°W.	††51 1	††17 22	§(54)	..	1013·8	..	..	..	Sea Temp.	286·3	—0·7	..	..	285·7	..	..	..
333*a*	62°—57° N. 20°—15° W.	††59 23	††17 9	§(34)	..	..	..	..	..	..	..	..	..	..	282·3	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1014·6	1016·3	+ 4·3	285·3	291·3	14th	281·3	273·6	31st	283·3	283·4	—0·4	57	— 62
335	Aberdeen	57 10	W 2 6	26·8	1017·7	1021·0	+10·7	283·4	289·1	14th	278·9	273·0	31st	281·2	281·1	—0·3	59	— 40
336	Greenwich	51 28	0 0	46·3	1012·0	1017·7	+ 4·0	285·8	291·9	5th	278·0	268·6	26th	281·9	281·6	—1·3	24	..
337	Uccle	50 48	E 4 22	100	1004·4	1016·7	+ 2·2	284·7	290·2	3rd	276·0	267·5	26th	280·3	279·6	—2·9	52	— 21
338	De Bilt	52 6	5 11	3·0	1017·4	1017·8	+ 3·7	284·7	290·9	4th	275·3	266·1	26th	280·0	279·5	—3·0	11	— 42
338*a*	Hamburg	53 33	9 58	40·3	1013·9	1018·9	+ 4·8	281·9	286·6	3rd	276·0	269·6	29th	278·9	*278·7*	—3·0	26	— 35
339	Copenhagen (Meteor. Inst.)‡	55 41	12 36	5·0	1018·6	1019·2	+ 5·8	282·8	287·1	8th	275·2	268·3	29th	279·0	*278·4*	—2·5	28	— 17
340	Potsdam	52 23	13 4	84·9	1007·9	1018·5	+ 3·0	282·0	286·9	1st	274·8	269·7	25th, 26th	278·4	277·9	—3·6	24	— 15
340*a*	Uppsala	59 51	17 38	24	1013·6	1016·6	+ 3·5	280·5	286·5	9th	272·6	263·0	28th	276·5	*276·4*	—1·8	15	— 15
341	Warsaw	52 13	21 1	133	1001·5	1017·9	— 0·5	281·0	285·5	6th	274·9	268·5	30th	278·0	277·9	—3·1	20	— 8
342	Tartu (Dorpat)	58 23	26 43	74·5	1004·5	1013·8	— 1·6	278·8	284·5	11th	273·2	263·1	29th	276·0	275·9	—2·0	37	..
343	Petrograd	59 56	30 16	4·8	1011·0	1011·6	— 3·6	278·1	283·4	12th	274·0	268·4	29th	276·0	*276·1*	—1·6	55	+ 10
344	Kiiv	50 27	30 30	183	995·1	1017·6	— 2·0	280·4	287·2	7th, 31st	274·4	268·2	30th	277·4	*277·0*	—3·3	76	+ 30
344*a*	Moscow	55 50	37 33	167	992·6	1013·4	— 5·8	277·4	284·8	4th	273·2	265·7	30th	275·3	*275·3*	—1·4	54	+ 10
345	Saratov	51 33	45 57	?122	1001·6	1016·8	— 4·1	280·5	292·0	4th	274·3	267·7	26th	277·4	*276·8*	—2·4	77	+ 31
346	Kazan	55 47	49 8	79·9	1003·2	1013·2	— 6·8	278·3	286·1	4th	273·6	265·0	20th	276·0	*275·8*	—0·6	64	+ 31
347	Orenburg	51 45	55 6	109	1003·5	1017·1	— 5·5	280·2	289·0	5th	273·4	264·9	31st	276·8	*276·5*	—0·9	73	+ 30
348	Perm	58 1	56 16	163	991·6	1012·0	— 5·8	275·5	286·0	5th	270·6	257·0	20th	273·0	*273·0*	—1·1	53	..
349	Sverdlovsk	56 50	60 38	281	977·5	1012·4	— 5·3	275·6	287·5	5th	269·8	259·4	20th	272·7	*272·6*	—0·8	35	+ 11
350	Tobolsk	58 12	68 14	108	998·7	1012·3	— 4·5	277·3	286·0	6th	269·7	258·8	21st	273·5	*272·7*	—0·3	15	— 3
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1001·5	1015·0	— 4·7	..	..	..	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	999·2	1019·4	— 3·2	279·9	291·0	7th	270·5	261·9	21st	..	*274·1*	—0·2	26	+ 43
354	Tomsk	56 30	84 58	122	999·6	1015·0	— 4·9	..	287·2	9th	271·0	262·7	24th	275·4	*275·3*	+0·9	77	+ 14
										1st	270·3	262·2	17th	..	*273·5*	+0·6	69	..
355	Minousinsk	53 43	91 41	248	988·4	1019·2	— 4·0	..	292·0	1st	269·4	257·5	24th	..	*274·7*	+0·5	33	+ 12
356	Eniseisk	58 27	92 10	77·6	1003·8	1013·6	— 4·8	..	285·0	2nd	270·0	253·9	21st	..	*272·7*	+1·0	31	— 6
357	Irkutsk	52 16	104 19	467	961·8	1019·1	— 3·9	280·6	297·4	3rd	268·6	257·3	30th	274·6	*274·2*	+1·3	12	+ 14
358	Kirensk	57 47	108 7	263	983·5	1016·4	— 4·0	..	284·6	2nd	269·3	258·8	27th	..	*272·0*	+1·7	41	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	966·0	1013·3	— 4·8	275·7	285·2	5th	264·1	248·3	25th	269·9	*270·0*	+1·0	32	+ 22
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	993·8	1011·3	— 5·8	281·9	297·1	5th	270·8	262·4	31st	276·4	*275·9*	+1·3	26	+ 8
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	278·0	282·0	1st, 2nd	273·0	267·5	24th	275·5	*275·5*	—1·1	58	— 45
369																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb	mb	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
411	Victoria, B.C.	48 24	123 19	70·1	1007·8	1016·3	— 0·8	286·9	292·4	8th, 10th	280·8	276·9	29th	283·8	283·3	+0·6	79	+ 14
412	Portland, Oregon	45 32	122 41	46·6	1011·1	1016·6	— 1·7	289·7	298·6	8th	282·3	276·9	30th	286·0	*285·6*	+1·0	119	+ 36
413																		
414	Macleod	49 44	113 24	953	..	..	..	289·4	296·9	10th	275·4	267·4	11th	282·4	*282·1*	+2·5	15	— 2
414*a*	Helena	46 34	112 4	1253	874·0	1015·9	— 0·8	289·4	299·7	1st	276·3	266·9	30th	282·9	*282·9*	+2·8	2	— 20
415	Salt Lake City	40 46	111 54	1329	807·8	1015·2	— 1·2	292·1	301·3	10th	280·5	274·1	31st	286·3	*286·5*	+2·0	17	— 22
416	Cheyenne	41 8	104 48	1856	814·1	1016·6	0·0	289·3	300·8	3rd	273·9	263·6	17th	281·6	*281·8*	+1·4	6	— 15
416*a*	North Platte	41 8	100 45	859	917·7	1017·3	— 0·2	294·9	304·7	4th	275·1	264·1	17th	285·0	*284·1*	+1·9	4	— 23
417	Bismarck	46 47	100 38	511	955·0	1016·2	— 0·5	289·2	305·8	1st	274·1	266·3	17th	281·7	*281·4*	+1·7	16	— 8
418	Winnipeg	49 53	97 7	232	986·3	1014·7	— 0·2	285·2	303·0	1st	274·1	265·2	19th	279·7	*278·6*	+1·9	13	— 22
	Duluth	46 47	92 6	345	973·1	1014·9	— 1·0	285·2	302·4	2nd	276·3	266·9	18th	280·8	*280·1*	+0·9	14	— 48
419	Port Arthur	48 27	89 12	196	991·4	1015·5	— 0·4	281·9	298·6	2nd	274·1	263·0	18th	278·0	*277·6*	—0·1	18	— 43
420	Chicago	41 53	87 37	251	986·1	1015·9	— 1·4	291·2	303·6	5th	283·3	275·2	18th	287·2	*287·2*	+1·5	86	+ 21
421	Toronto	43 40	79 24	116	1001·3	1015·4	— 2·1	287·4	300·8	5th	278·0	269·1	20th	282·7	*282·8*	+0·5	24	— 41
422	New York (Central Park)	40 47	73 58	47·4	1010·1	1015·8	— 2·3	292·4	304·7	5th	282·7	273·6	21st	287·5	*287·2*	+0·9	38	— 57
423	St. John, N.B.	45 17	66 4	36·2	1007·1	1011·5	— 5·0	284·1	295·2	3rd	276·9	268·6	19th	280·5	*280·4*	+0·1	129	+ 14
424	S.W. Point, Anticosti	49 24	63 33	9·1	1006·3	1007·4	— 5·8	279·3	286·3	3rd	274·5	268·6	23rd	276·9	*277·1*	—0·5	144	+ 54
424a	Sable Island (Main Station)	43 57	60 6	7·6	1009·5	1010·4	— 6·2	285·8	291·3	11th	281·3	274·7	29th, 31st	283·6	*283·7*	—0·7	89	— 36
425	Port aux Basques	47 35	59 10	9·1	1007·6	1008·7	— 5·4	281·3	288·6	2nd	275·8	271·9	21st	278·6	*278·4*	—1·2	100	— 39
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
430	50°—45° N. 35°—30° W.	††48 42	††32 42	§(20)	..	1011·7	..	..	..	Sea Temp.	287·5	—1·0	..	..	..	..	..	..
435	Madrid	40 24	3 41	667	936·2	1013·1	— 3·7	291·5	300 6	5th	282·3	275·0	26th	286·9	*286·1*	+0·7	93	+ 51
436	Nantes	47 15	W 1 34	36·5	1008·8	1013·2	— 2·2	286·7	294·0	13th	278·3	269·0	26th	282·5	282·3	—1·8	42	— 54
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·2	1015·4	— 0·5	285·1	292·8	3rd	276·8	269·2	28th	281·0	280·5	—2·5	50	— 5
438	Marseille	43 18	5 23	75	..	1011·6	— 3·1	292·3	298·5	3rd	282·7	277·1	27th	287·5	*287·3*	—0·5	64	— 34
438*a*	Zürich	47 23	8 33	493	956·9	1015·8	— 1·6	282·9	295·5	5th	277·7	273·0	29th	280·3	279·8	—1·8	138	+ 47
439	Rome	41 54	12 27	45·5	1007·6	1012·8	— 3·2	293·1	297·4	7th	285·6	280·8	17th	289·3	*289·0*	—0·6	353	+225
440	Vienna	48 15	16 22	203	991·7	1016·5	— 1·0	281·6	289·2	6th	277·7	272·7	24th	279·7	279·7	—3·3	146	+ 99
440*a*	Budapest	47 31	19 2	130	999·1	1015·0	— 2·8	285·1	292·7	6th	279·3	271·7	26th	282·2	*281·8*	—1·5	83	+ 24
441	Sofia	42 42	23 20	550	950·8	1015·3	— 2·9	289·0	299·2	1st	280·2	275·8	18th	284·6	*284·0*	0·0	159	+101
442	Bucharest	44 25	26 6	82	1006·3	1016·3	— 2·7	286·3	300·1	1st	279·3	272·9	25th	282·8	282·6	—2·0	110	+ 67
443	Odessa (University)	46 29	30 46	65·3	1009·7	1017·7	— 2·1	283·7	293·6	2nd	278·9	271·9	26th	281·3	*281·8*	—2·5	60	+ 29
444	Kharkiv (University)	50 0	36 14	140	1001·2	1018·5	— 2·5	281·0	290·2	3rd	273·6	266·4	30th	277·3	*277·0*	—3·1	43	+ 2
444*a*	Novorossiisk	44 44	37 49	37·1	1012·4	1016·9	— 1·9	290·5	299·1	3rd	281·8	274·0	27th	286·2	*286·0*	—1·5	71	+ 25
445	Tiflis	41 43	44 48	404	971·6	1019·0	— 2·1	292·9	298·7	1st	283·4	278·4	14th	288·2	287·6	+0·5	31	— 6
446	Astrakhan	46 21	48 2	—20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	..	1021·8	1019·0	— 2·9	288·2	294·7	9th	281·6	276·1	31st	284·9	*284·7*	—0·1	30	+ 17
448	Krasnovodsk	40 0	52 59	— 5·9	1018·8	1018·1	— 2·6	293·8	300·6	6th	286·9	280·1	31st	290·4	*290·3*	+0·3	8	— 1
449	Kasalinsk	45 46	62 7	67	1012·2	1020·4	— 2·1	..	..	..	276·5	268·6	27th	..	*281·8*	+1·4	14	+ 5
450	Tachkent	41 20	69 18	478	963·8	1019·9	— 2·2	295·7	304·6	26th	280·7	271·8	14th	288·2	*287·0*	+2·0	25	— 2
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	923·5	1020·8	— 2·0	290·5	298·8	2nd	278·1	268·4	29th	284·3	*283·8*	+2·7	49	+ 1
461	Moukden	41 48	123 23	43·8	1011·5	1016·8	— 2·8	291·4	298·9	5th	277·8	270·7	28th	284·6	283·9	+1·8	22	— 16
462	Joshin	40 40	129 11	31·0	1012·6	1016·5	— 1·6	290·3	295·8	22nd	281·0	274·4	11th	285·7	285·5	+0·9	59	+ 19
463	Yuki	42 20	130 24	65·6	1008·2	1016·2	— 1·5	288·4	294·3	8th	278·6	273·6	11th, 20th	283·5	283·5	+0·3	52	+ 7
464	Vladivostok	43 7	131 55	128	1000·6	1016·2	— 2·0	285·4	291·3	5th	279·5	273·6	20th, 28th	282·4	*282·5*	+0·2	54	+ 8
465	Ochiai	47 20	142 47	27·4	1010·0	1013·4	— 0·6	285·0	292·1	17th	274·5	267·5	21st	279·7	280·0	+0·3	89	— 10
466	Nemuro	43 20	145 35	26·7	1012·1	1015·3	— 0·4	287·5	293·9	14th	280·8	275·4	25th	284·1	284·5	+1·1	158	+ 61
466*a*	Syana	45 14	147 53	39·3	1010·0	1014·8	— 0·7	285·7	291·0	31st	277·9	270·7	26th	281·8	282·3	+0·6	170	+ 67
		N.	E.															

Between Latitude 40° N. and 30° N.

OCTOBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
508	35°—30°N. 145°—140°W.	††31 21	††141 15	§(19)	..	1021·7	+ 0·7	..	..	Sea Temp. 293·0	—1·1	..	..	..	..	293·0	0·0	..
511	San Francisco	37 48	122 26	47·2	1009·9	1015·6	— 0·9	292·5	300·2	21st	285·3	282·4	25th	288·9	*288·3*	+1·0	75	+ 51
512	San Luis Obispo	35 18	120 39	61·3	1008·2	1015·6	— 0·3	296·5	305·8	23rd	282·2	275·2	30th	289·3	*287·8*	+0·1	12	— 11
513	San Diego	32 43	117 10	26·5	1010·7	1013·9	— 0·5	294·7	304·1	23rd	286·9	281·9	30th	290·8	*290·3*	+0·5	2	— 7
514	Modena	37 48	113 54	1670	833·7	1014·5	— 1·1	292·2	298·6	2nd	273·3	266·9	31st	282·7	*283·0*	+1·1	9	— 15
515	Santa Fé	35 41	105 57	2138	788·1	1013·9	— 0·7	290·9	298·0	4th	276·7	268·0	29th	283·8	*283·5*	+0·9	6	— 22
516	Denver	39 45	105 0	1613	838·4	1016·6	— 0·3	292·0	303·0	3rd	277·1	268·6	17th	284·6	*284·7*	+1·3	8	— 17
517	Abilene	32 23	99 40	530	954·9	1015·9	— 1·1	297·7	305·8	6th	284·3	276·3	24th	291·0	*289·9*	—0·2	62	— 1
518	Saint Louis	38 38	90 12	173	995·8	1016·2	— 1·8	295·0	305·2	3rd	284·6	276·3	18th	289·8	*289·8*	+2·2	44	— 28
519	Mobile	30 41	88 2	17·4	1012·4	1014·5	— 2·9	297·9	303·6	1st	288·8	281·9	25th	293·4	*293·1*	+0·6	117	+ 28
520	Nashville	36 10	86 47	166	997·8	1017·9	— 1·6	296·4	303·6	2nd	283·3	275·8	19th	289·9	*289·9*	+1·1	19	— 42
521	Charleston	32 47	79 56	14·6	1014·5	1016·2	— 1·8	296·0	303·0	7th	289·8	284·1	27th	293·4	*293·5*	+1·0	145	+ 54
522	Washington	38 54	77 3	34·1	1012·7	1016·6	— 2·1	294·2	303·6	5th	282·2	273·6	21st	288·2	*287·8*	+1·4	36	— 37
523	Bermuda	32 17	64 46	46·0	1011·5	1016·9	+ 0·6	299·7	301·9	5, 10, 17	292·4	286·9	31st	296·1	*295·7*	—0·7	148	— 2
524	Santa Cruz (Flores)	39 27	31 9	40	1008·5	1013·0	— 7·2	293·9	297·3	8th	289·3	285·7	13th	291·6	*291·7*	—0·4	131	— 13
530	Horta	38 32	28 38	65	1005·2	1012·4	— 7·1	293·0	298·5	4th	289·4	286·0	13th	291·2	291·4	—0·7	190	+ 77
531	Ponta Delgada	37 44	25 40	22	1009·6	1011·5	— 6·8	293·5	297·3	4th	289·8	285·0	13th	291·6	291·5	—0·2	..	..
532	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	74	— 58
532*a*	Madeira (Funchal)	32 38	16 55	25	‡1012·0	‡1014·9	— 3·2	297·5	302·2	5th	291·4	289·0	31st	294·5	*294·5*	+1·3	139	+ 38
533	Lisbon	38 43	9 9	95	1000·1	1011·3	— 5·7	294·4	304·6	4th	288·2	283·3	31st	291·3	291·0	+1·2	133	+ 50
534	Melilla	35 18	2 59	8	1012·6	1013·5	— 5·1	296·9	299·6	12th	286·5	283·6	5th, 30th	291·7	*293·5*	—2·3	29	— 17
535	Gibraltar	36 6	5 21	16·2	1011·6	1013·6	— 3·7	295·7	300·8	4th	288·4	284·1	31st	292·1	*291·7*	+0·2	149	+ 65
535*a*	Colomb-Béchar	31 36	2 4	769	927·1	1012·8	..	300·2	305·0	7th	286·9	283·0	17, 24, 31	293·6	*293·3*	..	5	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations. **Height changed from —23·5m. to —23·0m. from October 22nd.

OCTOBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1009·7	1012·4	— 4·6	295·2	299·0	1st	286·7	283·0	10th, 31st	290·9	..	—1·0	76	— 3
538	Algiers (Bouzaréah)	36 48	3 2	342	973·5	1012·2	— 4·2	295·8	302·0	4th	289·0	284·7	26th	292·4	291·9	+1·3	54	— 21
539	Tunis	36 48	10 10	21	1010·0	1012·5	..	300·2	306·2	22nd	289·9	284·4	28th	295·0	*294·5*	+2·2	6	— 59
539*a*	Malta	35 54	14 31	56·4	..	1014·2	— 1·7	297·1	302·4	22nd, 25th	292·4	289·1	16th	294·7	*293·8*	+0·1	21	— 39
540	Riposto	37 41	15 14	14·2	..	1016·1	— 1·6	296·5	300·6	23rd	290·2	287·2	16th, 17th	293·3	*292·9*	+0·1	32	— 20
541	Athens	37 58	23 43	107	1001·5	1014·0	— 2·9	297·7	301·7	1st	290·2	286·9	5th	293·9	293·5	+1·6	12	— 9
542	Alexandria	31 12	29 53	32·0	1012·2	1015·9	— 0·1	303·5	309·2	22nd	293·7	291·6	9th	298·6	*298·2*	+1·8	0	— 10
543	Nicosia (P.W.D.)	35 9	33 22	159	995·9	1014·2	— 0·8	302·2	308·0	1st, 2nd	287·8	285·2	19th	295·0	..	+1·1	0	— 21
544	Beirut	33 54	35 28	33·7	..	1014·4	— 0·9	300·3	310·0	28th	294·5	291·9	20th	297·4	*297·3*	+0·7	3	— 50
545	Hinaidi (Baghdad)	33 17**	44 29**	32·3**	..	1013·9	— 0·4	307·8	312·6	3rd	289·3	286·2	8th	298·6	*298·6*	..	0	— 31
546	Lenkoran	38 46	48 52	—20·0	1020·7	1018·3	— 2·2	..	..	..	286·5	282·5	31st	..	*290·1*	+0·7	168	— 1
547	Tehran	35 41	51 25	1220	..	..	..	298·2	301·1	2nd	..	..	..	..	‡*287·5*	..	0	— 10
548	Meshed	36 16	59 35	946	881·5	..	..	297·2	302·4	27th	278·5	273·3	6th	287·9	..	+1·5	0	—
549	Seistan	31 0	61 30	?	..	..	..	302·9	308·2	2nd	285·4	278·2	7th	294·2	..	..	0	— 3
550	Quetta	30 11	67 3	1677	836·3	..	0·0	297·5	301·7	3rd	277·3	271·1	17th	287·4	*287·4*	+0·5	0	+ 6
551	Peshawar	34 2	71 37	339	976·0	1015·3	+ 1·5	302·3	307·2	3rd	287·5	284·7	19th	294·9	*294·1*	—0·9	11	+ 6
551*a*	Lahore	31 34	74 20	214	988·2	1012·9	+ 1·4	305·1	309·1	4th	289·6	285·4	22nd	297·3	*296·6*	—0·7	0	— 20
552	Simla	31 7	77 8	2205	784·3	..	+ 1·0	289·2	292·9	3rd	283·1	279·7	17th	286·1	*286·1*	—1·1	3	— 2
552*a*	Leh	34 10	77 42	3503	669·1	..	+ 0·1	285·9	289·6	3rd	271·5	268·8	31st	278·7	*277·8*	—1·3	2	
559	Hankow	30 35	114 17	37·0	1015·5	1019·9	— 0·3	298·0	303·8	29th	288·1	283·0	10th	293·1	*292·5*	+0·8	14	— 71
560	Tientsin	39 10	117 10	5·0	1017·5	1018·1	— 2·4	295·2	300·0	15th	281·5	275·6	10th	288·3	*288·1*	+0·7	4	— 10
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1018·4	— 0·7	297·2	299·7	15th	286·8	278·4	11th	292·0	290·7	+0·2	57	— 53
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1009·9	1018·0	— 0·8	292·8	298·5	6th	284·1	277·1	11th	288·4	288·1	+0·8	50	+ 10
562*a*	Nagasaki	32 44	129 52	133	1000·9	1016·5	— 0·3	295·6	301·1	1st	288·0	282·7	12th	291·8	291·5	+0·5	73	— 4
563	Kyoto	35 1	135 44	42·9	1011·7	1016·8	+ 0·3	296·2	299·2	5th, 8th	283·3	276·7	22nd	289·7	289·1	+0·4	129	— 19
564	Tokyo	35 41	139 46	5·8	1014·1	1014·8	— 2·0	295·4	301·6	11th	285·4	281·4	30th	290·4	289·8	+1·0	169	— 37
565	Kanayama	37 53	140 46	24·6	1013·8	1016·7	— 0·3	294·1	302·3	2nd	282·2	275·9	30th	288·1	287·5	+1·0	139	+ 26
566	Miyako	39 38	141 59	30·4	1012·6	1016·3	— 0·4	293·6	302·2	2nd	282·3	275·9	12th	287·9	287·1	+1·5	100	+ 20

OCTOBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1018·3	+ 1·9	300·2	302·4	6th	293·0	288·6	27th	296·6	*296·1*	..	94	..
605	Honolulu	21 19	157 52	11·6	1015·0	1016·3	+ 0·3	300·5	301·3	..	295·5	291·9	..	298·0	*297·7*	+0·1	82	+ 33
614	La Paz	24 9	110 20	12	1008·1	1009·4	..	305·9	311·0	6th	292·6	287·8	29th	299·3	..	..	10	— 3
615	Chihuahua	28 38	106 4	1423	859·6	1012·7	..	296·0	302·0	6th	285·4	279·0	25th	290·7	*290·9*	..	28	— 30
616	Leon	21 7	101 41	1809	822·9	1012·8	+ 1·3	299·6	301·9	7th	281·6	275·0	10th	290·6	*290·6*	—0·5	6	— 48
616*a*	Monterry	25 40	100 18	528	953·9	1013·4	— 0·9	299·5	307·9	7th	288·9	285·8	18th, 19th	294·2	*294·7*	+0·2	58	— 26
617	Tulancingo	20 5	98 22	2180	789·7	..	..	294·0	298·0	16th	281·4	274·0	sev. dates	287·7	*286·7*	—1·0	83	+ 28
618	Galveston	29 18	94 50	16·5	1012·9	1014·9	— 2·2	298·2	303·0	2nd	291·2	284·1	25th	294·7	*295·0*	—0·6	121	— 5
618*a*	New Orleans	29 57	90 4	16·2	..	1013·9	— 3·0	298·9	304·7	6th	291·2	286·9	26th	295·0	*294·5*	+0·5	83	— 3
619	Merida, Yuc.	20 58	89 38	22	1010·6	1013·1	— 1·7	302·7	305·0	2nd, 6th	295·2	292·6	14th	298·9	*297·9*	0·0	191	+101
620	Havana	23 8	82 21	24·3	..	1012·2	— 1·2	302·6	306·0	6th	296·3	294·2	28th	299·4	*299·0*	+0·3	243	+ 50
620*a*	Key West	24 33	81 48	6·7	1011·5	1012·2	— 1·6	302·3	305·2	6th	297·2	294·1	13th	299·7	*299·6*	+0·7	211	+ 69
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	301·9	..	..	296·9	..	..	299·4	*299·4*	—0·1	252	+ 91
622	Watling Island	24 6	74 26	33·5	1010·3	1014·1	+ 0·9	..	304·1	8th	..	297·4	19th, 22nd	..	*299·9*	..	..	..
633	Izaña	28 19	16 30	2367	766·9	..	..	286·5	291·8	4th, 5th	279·5	274·0	21st	283·0	*282·6*	+1·1	36	— 7
634	La Laguna	28 28	W16 20	547	952·1	1014·5	— 1·0	297·1	306·8	4th	286·8	281·2	31st	291·9	*291·2*	+0·1	53	
641	Siwa	29 12	E 25 29	— 23	1017·6	1015·0	..	305·5	311·9	26th	287·1	283·8	30th	296·3	..	..	0	
642																		
643	Cairo (Helwan)	29 52	31 20	116	1001·4	1014·6	0·0	304·2	310·1	26th	291·5	289·0	11th	297·9	*297·6*	+1·1	0	
643*a*	Aswan	24 2	32 53	99·6	999·9	1011·1	— 0·2	312·2	316·6	3rd, 8th	295·5	291·0	25th	303·8	*303·3*	+2·7	..	
644	Tor	28 14	33 37	1·9	1012·0	1012·3	— 0·2	302·9	308·2	21st	291·3	288·9	31st	297·1	*297·3*	+0·5	0	
647	Bushire	28 59	50 53	4·3	1012·8	1013·5	+ 0·1	303·2	304·7	5th	294·7	292·1	9th	298·9	*298·2*	—0·5	0	— 2
648	Jask	25 44	57 47	4·0	1012·3	1012·7	+ 0·2	306·2	310·5	6th	297·8	295·3	31st	302·0	*301·3*	+0·6	0	— 2
649	Karachi	24 53	66 57	4·0	1012·7	1013·2	+ 1·3	302·8	308·2	18th	295·3	293·0	19th	299·1	*298·4*	—0·8	0	— 1
650	Jacobabad	28 17	68 29	50·7	1006·3	1012·7	+ 1·7	307·1	310·4	15th	291·9	287·2	18th	299·5	*298·7*	—0·8	0	— 2
651	Jaipur	26 56	75 52	436	998·7	1013·8	+ 1·4	307·2	308·8	4th	291·3	286·4	20th	298·7	*298·0*	—0·5	4	— 46
652	Nagpur	21 8	79 5	310	978·5	1013·5	+ 1·8	305·7	307·6	9th, 16th	292·2	289·0	13th, 14th	298·9	*298·4*	—0·4	1	— 62
653	Allahabad	25 25	81 51	94·1	1002·7	1012·9	+ 2·1	305·7	307·8	7th	291·9	288·3	21st	298·8	*298·6*	—0·5	0	— 105
653*a*	Darjeeling	27 3	88 18	2266	779·0	..	+ 0·4	289·7	292·1	1st, 5th	282·4	279·4	22nd	286·1	*286·1*	0·0	8	— 42
654	Calcutta	22 36	88 23	6·4	1011·5	1012·3	+ 1·2	303·1	306·3	9th	295·7	291·6	23rd	299·4	*299·1*	—0·6	57	
655	Gauhati	26 8	91 41	59·7	1006·4	1013·3	+ 0·9	304·0	306·7	1st	293·9	291·4	23rd	298·9	*298·2*	—0·2	36	— 29
655*m*	Cherrapunji	25 15	91 42	1314	870·5	..	+ 0·7	294·7	298·6	1st	288·8	285·9	12th, 21st	291·8	*291·2*	—0·1	1107	+612
655*a*	Akyab	20 11	92 56	6·1	1010·9	1011·7	+ 0·6	..	..	..	297·0	294·4	23rd	..	‡*299·0*	..	311	+115
656	Mandalay	21 59	96 0	76·2	1003·8	1012·4	— 0·9	305·7	307·3	7th	297·0	294·9	23rd	301·3	*300·9*	—0·2	232	+ 31
656*a*	Tengyueh	25 2	98 33	1625	836·8	1009·5	+ 0·6	294·4	297·4	9th	285·9	279·1	27th	290·2	*289·4*	+0·4	110	— 44
657	Phu Lien	20 48	106 38	116	1000·8	1014·1	+ 0·8	302·3	305·8	18th	294·5	290·8	11th	298·4	297·7	0·0	112	— 48
658	Moncay	21 31	107 51	9	1013·3	1014·4	+ 0·8	302·6	306·9	18th	293·3	289·5	2nd	297·9	*298·6*	—0·2	90	— 73
659	Hongkong	22 18	114 10	33·2	..	1014·2	+ 0·6	299·9	302·1	25th	295·3	291·7	1st	297·6	297·2	—0·4	51	+ 4
660	Amoy	24 27	118 4	ca.3	1014·1	1014·4	— 0·1	299·7	303·0	16th	294·4	290·2	19th	297·1	*296·9*	—0·9	57	
661	Taihoku, Formosa	25 2	121 31	9·3	1014·4	1015·5	+ 0·7	300·2	304·7	18th	292·7	289·8	27th	296·5	295·9	—0·1	317	+102
661*a*	Basco	20 28	121 59	18·7	1008·2	1010·5	+ 0·7	301·9	303·8	1st	296·6	294·5	11th	299·3	299·6	0·0	406	+ 53
662	Naha	26 13	127 41	10·5	1013·6	1014·8	+ 1·0	300·7	304·7	1st	293·4	288·0	28th	297·1	296·7	—0·3	61	—110
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·2	1013·6	— 0·1	300·9	303·2	2nd	296·1	292·6	23rd	298·5	298·1	—0·4	93	— 41
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

*For formulæ employed *see* pages 109 and 110. †Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡See "Remarks," pages 109 and 110.
** Station moved to 33° 17′ N., 44° 29′ E., 32·3m. from October 1st.

OCTOBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	954·0	1009·3	..	304·1	307·4	21st	291·5	288·0	12th	297·8	*296·3*	..	17	..
716	Morelia	19 42	101 7	1923	810·3	1011·9	..	295·1	297·1	7th	284·0	278·1	13th	289·5	*288·6*	..	18	..
717	Mexico, Tacubaya	19 24	99 12	2309	774·8	..	— 0·4	295·3	299·0	16th	280·1	273·0	12th	287·7	287·1	—0·5	57	+ 6
718	Salina Cruz	16 12	95 12	56	1004·0	1010·4	..	301·9	304·6	8th	295·9	293·4	17th	298·9	*299·2*	—0·7	81	— 5
719	San Salvador	13 42	89 13	682	936·2	1012·0	+ 0·3	302·8	305·4	6th, 25th	290·9	287·0	14th	296·9	*295·0*	—0·8	147	—126
720	Belize	17 29	88 12	5·2	1009·8	1010·3	— 1·5	..	..	..	294·4	289·4	16th	..	‡*297·7*	+0·1	193	—152
721	Jamaicá (Negril Point)	18 15	78 23	10·1	..	1010·3	— 0·1	303·3	305·6	6th	295·8	294·4	24th	299·6	*299·5*	0·0	119	— 87
722	Port au Prince	18 33	72 20	37·4	1008·0	1012·3	+ 0·1	304·7	306·2	15th	295·6	294·0	19th	300·1	*299·5*	+0·1	149	— 18
723	Caracas	10 30	66 55	1042	899·0	1013·2	+ 1·0	298·6	302·4	1st	288·7	286·5	7th	293·7	*292·5*	—0·9	136	+ 39
724*a*	Montserrat	16 41	62 9	39·6	1008·2	1012·7	— 0·7	304·2	307·4	6th	295·7	293·6	8th	299·9	*299·3*	0·0	81	—121
725	Grenada (Richmond Hill)	12 5	61 46	155	‡993·1	‡1010·9	— 0·2	302·4	305·2	31st	296·5	294·7	11, 12, 18	299·5	*298·9*	—0·2	140	— 54
726	Barbados	13 8	59 36	55·2	..	1012·3	— 0·1	302·3	303·3	22nd	295·8	292·9	27th	299·1	*298·7*	—0·1	120	— 74
731	São Vicente, C. Verde Is.	16 54	25 4	11	1011·7	1012·9	— 0·5	300·8	302·5	8th	294·8	293·0	30th	297·8	*298·8*	0·0	0	— 30
732	San Tiago, C. Verde Is.	14 54	23 31	34	1008·9	1012·7	— 1·1	301·9	304·2	14th	297·4	296·0	7th	299·6	*299·7*	—0·1	103	+ 70
733	Bathurst	13 27	16 34	1·8	..	1013·6	+ 0·5	304·3	305·2	2nd, 3rd	295·5	293·6	29th	299·9	*300·3*	—0·3	208	+115
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·1	307·4	27th	294·4	291·9	20th	299·7	..	—1·6	137	+ 73
735*a*	Niénébalé	12 57	7 20	300	..	..	..	307·5	309·1	30th	296·2	293·0	31st	301·9	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	23	..
	Timbuktu	16 43	W 3 2	270	..	..	..	311·8	314·4	13th	296·0	293·2	16th	303·9	*303·5*	—0·7	1	— 2
737	Sokoto	13 2	E 5 14	353	..	..	..	308·9	310·8	25th, 31st	294·4	292·4	22nd	301·7	*301·0*	+0·1	24	+ 13
738	Kaduna Capital	10 32	7 25	637	942·4	1013·7	— 0·2	302·3	305·2	6, 22, 24	..	..	..	..	‡*296·7*	—1·1	104	+ 42
739	Hadeija	12 40	10 5	7	..	..	..	309·2	312·4	30th	291·9	287·4	31st	300·6	*299·9*	—0·5	1	— 7
740	Maiduguri	11 47	13 11	361	..	..	..	311·0	314·1	27th	295·4	290·8	21st	303·2	*302·5*	+1·3	18	+ 4
741	El Fasher	13 32	25 18	730	..	..	..	308·5	310·5	27th	289·3	285·0	28th, 29th	298·9	*298·4*	..	37	..
743	El Obeid	13 11	30 14	569	945·4	1007·6	— 1·0	308·9	311·5	27th	294·1	291·5	31st	301·5	*301·1*	+0·7	32	+ 14
743*a*	Khartoum	15 37	32 33	390	964·4	1007·4	— 0·7	311·4	313·0	22nd	296·9	294·0	5th	304·1	*304·1*	—0·5	1	— 4
744	Port Sudan	19 37	37 13	5·5	1010·3	1011·0	+ 0·1	306·5	309·3	3rd	298·5	293·6	19th	302·5	*302·4*	+0·7	21	+ 13
745	Berbera, Somaliland	10 22	45 2	9·5	1010·8	1011·8	— 0·6	307·0	310·2	3rd	295·3	291·3	22nd, 23rd	301·1	*302·7*	—1·2	0	— 1
746	Aden	12 45	45 3	28·7	1010·4	1013·6	+ 1·1	303·8	307·2	2nd	297·9	295·1	27th	300·9	*300·0*	—0·9	0	— 3
751	Bombay	18 54	72 49	11·3	1011·0	1012·3	+ 0·6	304·9	306·5	30th	297·8	296·4	26th	301·3	300·6	+0·3	15	— 29
752	Kodaikanal	10 14	77 28	2343	770·9	..	— 0·1	290·6	293·5	11th	283·4	281·4	17th	287·0	*286·2*	+0·2	479	+208
752*a*	Bangalore	12 59	77 38	920	911·1	1011·7	+ 0·5	300·6	304·8	4th	291·3	288·2	16th	295·9	*295·1*	—0·1	308	+151
753	Madras	13 4	80 14	6·7	1010·7	1011·5	+ 0·9	303·8	309·0	2nd	296·9	293·7	18th	300·3	*299·5*	—0·6	449	+155
754	Vizagapatam	17 42	83 19	11·6	1011·0	1012·4	+ 1·9	303·7	306·4	7th	297·8	294·3	23rd	300·7	*300·0*	—0·2	71	— 89
755	Port Blair	11 40	92 40	18·0	1008·7	1010·8	— 0·1	302·8	304·2	10th	297·7	296·3	3rd	300·2	*299·6*	—0·3	162	— 119
756	Rangoon	16 46	95 48	5·5	1011·6	1012·3	+ 0·9	304·7	306·8	28th	297·9	296·8	12th	301·3	*300·4*	+0·6	88	— 90
757	Saigon	10 47	106 42	11	1008·4	1009·6	+ 0·2	304·0	306·5	24th	296·5	295·0	1st	300·2	*299·7*	—0·1	260	— 22
758	Nhatrang	12 15	109 12	3·6	1009·9	1010·3	+ 0·5	302·8	305·7	6th	296·2	294·3	5th	299·5	*299·0*	—0·2	489	+224
759	Bolinao	16 23	119 53	7·1	1006·6	1007·6	+ 0·2	305·4	307·0	27th	296·0	294·7	31st	300·7	*300·1*	—0·1	60	—124
761	Vigan	17 34	120 23	12·2	..	1009·1	+ 0·5	305·0	306·1	28th	296·9	295·8	3rd	300·9	300·6	+0·3	45	—133
761*a*	Manila	14 35	120 59	14·2	..	1009·7	+ 0·9	304·6	306·1	24th	295·9	294·7	11th	300·3	299·2	—0·4	89	— 81
762	Ormoc	11 0	124 36	5·6	1007·7	1008·4	+ 0·4	305·5	306·9	24th	294·9	293·9	17th	300·2	*299·0*	0·0	128	—107
765	Guam, Ladrone Is.	13 24	144 38	20·4	1004·5	1007·1	— 0·7	303·7	305·0	17th	297·6	296·0	8, 9, 12	300·7	*300·7*	+0·7	88	—252
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 10° N. and 0°. OCTOBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1011·6	1012·2	..	304·9	307·2	16th	297·6	296·3	19th	301·3	*300·8*	+0·2	1	—103
821	Colon	9 23	79 23	11·0	..	1010·7	+ 0·1	303·7	306·3	14th	296·5	295·2	16th	300·1	*299·6*	+0·6	352	— 32
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	108	— 55
823	Merida, Venez.	8 36	71 9	1641	‡841·3	..	+ 0·3	296·6	299·5	3rd	288·0	286·5	6th, 18th	292·3	*291·2*	—0·3	251	— 21
824	Ciudad Bolivar	8 9	63 33	38	..	..	..	306·3	307·6	2nd, 7th	297·4	296·8	28th	301·9	*301·3*	..	60	— 25
825	El Peru, Guayanavieja	7 19	61 49	220	?984·6	?1009·6	+ 0·1	302·4	303·1	1, 7, 23	292·8	291·1	30th	297·6	*297·0*	—1·1	145	+ 51
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1012·4	+ 0·8	303·3	304·1	1st, 26th	297·2	295·8	11, 12, 13	300·2	*300·0*	—0·6	84	+ 9
826*a*	Paramaribo	5 49	55 9	3·7	‡1012·8	‡1013·2	+ 1·0	305·6	307·0	4th, 26th	295·4	294·0	28th	300·5	*300·3*	+0·9	76	+ 4
	Cayenne	4 56	52 21	6	1011·2	1011·9	+ 0·2	305·4	309·0	23rd	..	..	..	..	*298·9*	—0·9	52	+ 18
831	10°—5° N. 30°—25° W.	†† 7	†† 27	§(85·88)	..	1011·5	— 0·7	..	..	Sea Temp. 299·9	..	..	..	299·4	—0·1	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	302·0	305·0	5, 12, 13	295·9	295·0	sev. dates	298·9	*298·5*	—0·4	352	— 29
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·1	1012·0	+ 0·4	302·7	304·1	5, 22, 24	295·5	293·6	12th, 28th	299·1	*298·4*	—0·6	309	— 12
835	Assuantsi	5 18	1 15	101	..	..	..	301·6	304·1	20th	294·6	293·0	8th, 24th	298·1	*297·6*	..	306	..
836	Accra	5 33	W 0 12	27·0	1008·3	1011·4	..	302·3	303·6	18th, 20th	295·3	293·6	30th	298·8	*298·3*	+0·1	137	+ 88
837	Lagos	6 27	E 3 24	4·6	1010·0	1010·5	— 0·8	302·3	303·6	1, 17, 19	296·2	294·7	8th, 12th	299·2	*298·5*	—0·3	391	+194
838	Zungeru	9 48	6 10	130	..	..	..	..	..	..	..	..	..	..	..	..	..	..
839	Yola	9 12	12 30	259	..	..	..	305·4	308·0	27th	..	..	..	..	‡*299·0*	—1·0	168	+ 90
841	Wau	7 42	28 3	440	..	..	..	..	..	..	293·4	292·5	8th	..	‡*298·5*	+0·2	123	— 4
843	Malakal (Kodok)	9 35	31 37	394	965·0	1009·2	+ 0·1	305·5	308·0	27th	294·9	292·6	10th	300·2	*298·9*	+0·1	111	+ 28
843*a*	Mongalla	5 11	31 47	439	959·9	1008·6	+ 0·3	..	..	..	..	..	..	..	..	..	131	+ 22
844	Entebbe	0 5	32 29	1171	883·4	1009·8	— 0·2	298·9	301·3	4th	289·4	287·3	3rd	294·2	*293·4*	—0·5	84	— 4
851	Minicoy	8 17	72 49

OCTOBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	305·4	307·8	23rd	296·5	295·0	21st, 30th	301·0	*300·0*	−1·2	103	+ 2
926	Taperinha	2 30	54 20	20·0	1008·1	1010·4	− 0·2	306·0	307·9	22nd	295·6	294·0	15th	300·8	*299·3*	0·0	13	− 7
927	Turyassu	1 43	45 26	15·1	1009·2	1010·9	− 0·2	306·1	308·2	20th	295·2	292·9	7th	300·6	*299·7*	−0·2	3	+ 29
928	Barra do Corda	5 30	45 16	81·0	999·9	1009·3	− 0·9	306·8	308·6	3rd, 31st	295·9	294·4	18th, 24th	301·4	*300·0*	+0·3	67	+ 1
929	Quixeramobim	5 16	39 15	207	988·6	1011·9	+ 0·2	306·8	308·0	27th	295·8	295·0	25th	301·3	*300·6*	−0·6	0	− 1
930	Fernando Noronha	3 50	W32 25	106	1000·4	1012·4	− 0·9	300·8	302·0	23rd	296·4	295·0	18th	298·6	*297·9*	+0·1	6	..
939	Loanda	8 49	E 13 13	59·3	..	1015·9	+ 3·4	297·7	298·8	24th, 31st	294·1	292·0	9th	295·9	295·6	−0·7	5	− 2
940	Brazzaville	4 17	15 16	320	976·9	1012·9	+ 0·7	305·4	310·0	15th	293·8	292·0	8th	299·6	*298·8*	+0·3	132	+ 2
943	Masaka	0 21	31 47	?1280	..	..	..	301·7	303·6	16, 24, 30	283·7	283·0	sev. dates	292·7	*292·5*	−0·1	105	+ 10
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	298·6	300·8	3, 22, 24	285·2	281·9	12th	291·9	..	..	64	+ 27
944*a*	Zanzibar	6 10	39 11	21·9	1013·4	1015·9	− 0·5	301·4	302·4	27th	296·9	295·9	9th	299·2	*298·4*	−0·1	114	+ 37
945	Lamu	2 16	40 50	3·1	..	..	..	301·9	302·4	20, 25, 30	297·4	296·9	sev. dates	299·7	*299·3*	−0·2	0	− 32
947	Seychelles, Port Office	4 37	55 27	4·6	1012·0	1012·5	+ 0·2	301·1	302·4	22nd	298·0	296·0	7th	299·5	*298·7*	+0·3	252	+124
957	Padang	0 56	100 22	6·7	..	1010·5	− 0·5	..	..	..	..	..	..	..	..	..	566	+ 60
958	Batavia	6 11	106 50	8·0	1009·1	1010·0	− 0·2	304·1	305·4	19th	296·3	294·8	12th	300·2	299·5	−0·1	173	+ 59
958*a*	Pontianak	0 1	109 20	2·6	..	1010·8	+ 0·5	..	..	..	..	..	..	..	..	..	368	+ 15
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	..	− 21
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	0	− 42
962	Amboina	3 42	128 10	4·2	..	1009·9	−0·3	..	..	..	..	..	..	..	..	..	5	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	272	+115
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	182	+ 79
966	Port Moresby	9 29	147 9	39·0	..	1010·9	−0·6	304·2	..	..	296·3	..	..	300·2	*299·7*	+0·8	9	− 51
967	Rabaul	4 9	152 12	20·7	..	1008·8	..	306·3	307·4	16th, 22nd	295·6	294·0	28th	300·9	*300·2*	+0·1	17	− 4
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	36	−109
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1010·6	1010·8	+ 0·7	?303·5	?305·6	7th	?297·2	?295·9	7th	?300·3	*?300·1*	−0·1	243	+ 45
970	Ocean Island	0 52	169 35	54·0	1002·6	1008·6	+ 0·4	304·3	305·2	5, 18, 19	298·0	296·3	13th	301·2	*300·4*	+0·2	264	−149
		S.	E.														1	..

OCTOBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1011·9	+ 0·4	302·1	304·3	1st	296·7	295·2	24th	299·4	299·0	0·0	275	+113
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	301·8	306·9	7th	294·9	290·8	30th	298·3	*298·1*	+0·7	284	+195
1021	Arequipa	16 22	71 33	2451	761·4	..	+ 0·5	293·3	295·5	11th	282·0	280·8	5th, 22nd	287·7	*287·4*	+0·3	0	− 1
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	285·2	284·0	sev. dates	..	*289·8*	..	0	..
1023					..	..	..	..	..	..	..	..	..	..	..	..	..	..
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	997·0	1010·0	+ 0·8	303·9	311·0	30th	292·1	284·4	10th	298·0	*298·0*	−1·1	91	− 10
1026	Cuyaba	15 36	56 6	165	991·4	1010·1	+ 0·7	306·2	310·5	16th	293·7	286·5	10th	300·0	*298·8*	−2·1	68	− 40
1027	Bello Horizonte	19 55	43 57	895	913·6	1012·0	− 0·6	299·6	303·4	30th	289·4	285·8	14th	294·5	294·4	−0·1	254	+125
1028	Caetite	14 3	42 37	897	914·7	1012·5	− 0·3	301·4	304·5	27th	291·6	288·6	24th	296·5	*296·8*	+0·7	111	+ 20
1029	Ondina (Bahia)	13 0	38 31	46·6	1007·3	1012·7	− 1·3	301·4	302·6	22nd	295·2	294·1	27th	298·3	*298·0*	+0·5	75	− 57
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	946·2	1015·8	+ 0·3	291·4	293·6	31st	285·3	284·6	24th	288·4	*287·9*	+0·5	57	+ 8
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	295·5	297·5	28, 30, 31	..	..	..	..	..	..	4	..
1041	Elisabethville	11 39	27 28	1236	877·1	1008·3	+ 0·4	306·0	309·1	1st	288·2	285·0	2nd	297·1	..	+0·4	38	+ 0
1042	Gwelo	19 28	29 48	1417	861·3	1011·9	− 0·9	301·3	308·0	23rd	286·8	280·8	16th	294·1	..	−0·4	81	+ 64
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡853·4	‡1009·0	− 1·0	301·7	307·4	23rd	287·0	283·6	27th	294·3	*293·2*	−0·2	47	+ 18
1044	Zomba	15 23	35 18	955	907·2	1010·6	− 1·2	303·6	307·4	17th, 23rd	290·5	285·8	28th	297·1	*297·0*	+0·7	51	+ 12
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	299·3	301·2	..	292·5	289·8	..	295·9	*295·4*	..	143	..
1047	Vohémar	13 21	50 1	3	..	..	..	304·0	305·5	..	294·7	293·0	..	299·3	*298·7*	..	122	..
1048	Antalaha	14 58	50 19	3	..	1013·6	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1014·4	1014·9	+ 1·3	301·4	302·6	19th	297·7	296·2	20th	299·6	*299·3*	0·0	35	− 80
1057	Christmas Island	10 25	105 43	5·5	1009·6	1010·2	+ 0·2	304·7	305·8	..	296·6	295·2	..	300·6	*299·9*	+0·4	15	− 67
1061	Kupang	10 10	123 34	45·1	..	1010·8	− 0·3	306·6	310·6	31st	296·2	293·0	2nd	301·4	300·8	..	5	− 15
1061*a*	Derby	17 18	123 40	16·2	1009·9	1011·9	+ 0·5	308·6	314·1	17th	296·7	294·1	3rd	302·7	..	+0·6	23	+ 22
1062	Hall's Creek	18 13	127 46	374	970·1	1011·9	+ 1·0	308·4	312·3	16th	294·2	..	..	301·3	*300·7*	−0·4	39	+ 1
1063	Darwin	12 28	130 51	29·6	1007·5	1010·8	+ 0·6	306·7	309·8	29th	297·8	294·9	19th	302·2	*301·1*	−0·4	56	+ 42
1064	Daly Waters	16 16	133 23	211	985·9	1009·4	− 0·4	308·8	312·4	12th, 14th	295·3	288·6	1st, 8th	302·1	*301·5*	−0·8	63	− 12
1065	Mein	13 13	142 47	122	996·6	1010·3	− 0·3	306·4	309·6	27th	293·6	287·4	4th	300·0	..	−0·3	3	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	978·5	1012·3	+ 0·1	308·9	310·5	13th	293·2	286·9	28th	301·1	..	+0·5	20	..
1066*a*	Willis Island	16 18	149 59	8·5	1012·2	1013·1	..	300·5	302·0	31st	296·6	295·3	3rd	298·6	*298·3*	..	..	..
1067	Samarai	10 37	150 40	15·2	..	..	..	300·9	..	..	297·1	..	..	299·0	*298·8*	0·0	338	+171
1072	Suva, Fiji	18 8	178 26	6·1	1014·2	1015·0	+ 0·4	300·5	303·9	4th	290·6	286·7	30th	295·6	*295·4*	−1·8	213	+ 10
		S.	E.															

*For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

OCTOBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	298·8	301·6	17th	293·7	288·0	2nd	296·2	*296·0*	+0·5	347	+244
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1015·0	1018·3	+ 1·2	289·3	293·2	5th	284·6	282·9	8th	286·9	*286·8*	+0·3	0	− 1
1122	Iquique	20 12	70 11	9	1015·9	1017·0	+ 0·9	293·6	297·0	13th	287·1	285·0	2nd	290·3	*290·4*	+0·2	0	0
1123	Catamarca	28 27	65 47	510	953·8	1011·4	+ 0·9	301·6	308·1	17th	286·8	280·1	10th	294·2	293·5	−1·3	2	− 26
1124	Salta	24 46	65 28	1178	882·5	1011·5	+ 0·6	296·8	307·6	6th	283·7	277·3	10th	290·3	290·9	−1·3	15	− 17
1125	Goya																	
1126	Asuncion	29 9	59 15	26	1010·9	1014·0	+ 1·9	298·8	308·5	28th	285·7	278·2	9th	292·3	292·2	−0·6	48	− 65
1127	Curityba	25 21	57 37	93	1003·2	1014·1	+ 2·0	300·7	313·2	29th	288·0	280·5	10th	294·4	292·9	−2·8	117	− 22
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1007·2	‡1014·2	− 0·3	293·5	299·2	6th	283·6	277·5	13th	288·6	*287·7*	−1·2	165	+ 22
1139	Windhoek	22 34	E 17 5	1669	..	..	..	296·9	309·2	31st	291·6	288·0	14th	294·2	294·0	−0·5	52	− 31
1140					..	..	..	300·9	304·0	1st	287·3	278·6	7th	294·1	*294·3*	−0·2	19	+ 10
1141	Kimberley	28 42	24 47	1202	881·9	1012·1	− 0·2	301·9	309·2	19th	284·1	274·7	8th	293·0	293·1	+0·7	8	− 18
1141*a*	Johannesburg	26 11	28 4	1806	822·9	1014·2	− 0·1	295·7	302·1	20th	283·4	275·1	8th	289·6	*289·3*	−0·5	80	+ 15
1142	Bulawayo	20 9	28 35	1340	868·4	1011·6	− 0·5	301·5	307·8	23rd	287·4	281·3	27th	294·4	*294·1*	−1·0	57	+ 34
1143	Durban	29 52	31 3	15·2	1016·3	1018·1	− 0·5	297·0	303·1	17th	290·3	285·9	24th	293·7	*293·1*	+0·5	289	+158
1144	Lourenço Marques	25 58	32 36	59	..	1016·3	− 0·7	299·9	308·8	21st	291·4	286·9	26th	295·7	295·3	+0·2	83	+ 24
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	23	..
1146	Fort Dauphin	25 2	46 58	25	..	1013·3	..	..	..	..	..	..	..	..	..	..	19	..
1147	Mauritius	20 6	57 33	55·2	1011·4	1017·8	− 0·4	299·2	301·9	26th	291·2	289·4	3rd	295·2	294·9	−0·3	14	− 21
1159	Onslow	21 43	114 57	4·3	1011·6	1012·5	− 0·2	305·1	312·6	30th	289·1	286·3	17th	297·1	..	+0·2	0	− 1
1160	Cue	27 27	117 52	454	962·9	1014·0	+ 0·3	303·7	310·2	31st	286·2	279·1	15th	295·0	..	+1·5	0	− 6
1161	Nullagine	21 53	120 5	386	967·7	1010·9	− 0·6	307·8	312·7	20th	290·0	284·1	8th	298·9	..	0·0	1	− 4
1162	Laverton	28 40	122 23	466	962·0	1014·8	+ 0·3	301·9	310·2	20th	286·5	279·7	15th	294·2	*294·1*	+1·3	0	− 8
1163	Alice Springs	23 38	133 37	587	947·1	1012·8	− 0·9	303·2	309·7	13th	287·7	278·0	7th	295·4	*295·4*	−0·5	17	− 2
1164	William Creek	28 55	136 21	76·2	1006·3	1015·2	+ 0·8	302·9	313·0	14th	287·0	278·6	6th	295·0	*294·7*	+0·7	3	− 7
1165	Boulia	22 55	139 38	146	995·4	1011·9	+ 0·2	307·0	313·8	11th	291·3	284·2	7th	299·2	*299·2*	+0·1	13	0
1166	Thargomindah	27 58	143 43	123	999·5	1013·6	− 0·2	304·0	312·7	11th	288·6	280·7	2nd	296·3	*296·0*	+0·8	5	− 16
1167	Mitchell	26 32	147 52	336	975·3	1013·7	..	303·2	311·3	11th	286·9	277·2	7th	295·0	..	+1·7	56	+ 21
1168	Rockhampton	23 24	150 30	11·3	1013·2	1014·4	− 1·1	303·9	308·1	3rd	291·0	287·7	9th	297·4	..	+0·6	63	+ 15
1169	Brisbane	27 28	153 2	41·7	1011·1	1015·9	− 0·1	299·8	303·4	27th	289·4	285·4	6th	294·6	*294·2*	+0·6	129	+ 64
1170	Norfolk Island	29 4	167 59	15·2	1018·9	1020·6	+ 2·9	294·8	297·4	29th	288·2	284·1	10th	291·5	*291·0*	+0·3	41	− 63
		S.	E.															

OCTOBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	*286·0*	−0·5	38	− 9
1221*a*	Punta Tumbes	36 37	73 6	120	1004·3	1018·9	+ 0·6	288·2	290·0	sev. dates	280·9	279·0	11th	284·5	*284·5*	−0·4	36	+ 21
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1013·1	1018·1	+ 0·3	291·5	299·2	11th	283·1	281·4	31st	287·3	*286·8*	−0·4	36	+ 25
1222*a*	Santiago	33 27	70 42	520	950·8	1017·6	+ 1·2	293·2	299·5	11th	280·2	273·7	8th	286·7	*285·6*	−0·8	27	+ 14
1223	Cordoba	31 25	64 12	423	966·3	1015·4	+ 1·6	296·3	306·0	..	281·8	274·8	..	289·1	288·7	−1·7	29	− 31
1224	Bahia Blanca	38 45	62 15	25	1013·2	1016·3	+ 0·5	291·8	299·5	26th	281·4	275·0	9th	286·6	286·7	−1·2	123	+ 64
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1014·9	1017·9	+ 1·5	291·9	297·9	27th	281·6	274·4	9th	286·7	287·0	−1·5	85	− 3
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1016·6	0·0	289·8	297·0	27th	284·1	279·2	10th	287·0	*287·2*	−0·8	27	− 48
1226*a*	Porto Alegre	30 2	W51 13	23·5	1011·4	1014·2	− 2·3	294·5	302·8	29th	285·2	279·0	10th	289·9	289·6	−1·6	120	+ 49
1239	Cape Town	33 56	E 18 29	12·2	..	1018·3	+ 0·9	294·7	306·9	26th	284·2	279·7	6th	289·4	*288·4*	+0·2	38	− 4
1240	Danger Point	34 37	19 18	27·7	1014·4	1017·7	..	292·6	303·6	26th	284·8	279·1	17th	288·7	..	+0·3	48	− 1
1241	Riversdale	34 6	21 16	30·5	1006·7	1010·3	..	297·6	312·4	26th	282·5	275·8	15th	290·1	..	..	31	− 9
1242	East London	33 0	27 55	44·8	..	1017·5	+ 0·4	295·7	301·9	29th	287·3	283·0	9, 17, 18	291·5	..	+0·9	71	+ 3
1259	Perth (Observatory)	31 57	115 51	60·0	1010·2	1017·7	+ 0·8	294·6	308·2	30th	284·8	278·4	15th	289·7	*289·5*	+0·6	30	− 24
1260	Katanning	33 42	117 35	310	979·1	1016·0	+ 0·3	293·9	309·1	31st	279·9	274·2	24th	286·9	..	0·0	12	− 28
1261	Coolgardie	30 57	121 10	423	966·2	1014·8	0·0	299·5	309·8	20th	283·2	275·9	15th	291·3	*291·2*	+0·7	2	− 17
1262	Eucla	31 45	128 58	4·6	1015·0	1015·6	+ 0·4	295·8	310·8	13th	283·9	277·0	25th	289·9	*289·4*	−0·1	3	− 15
1263	Streaky Bay	32 48	134 13	13·1	..	1016·6	+ 0·8	296·9	311·0	20th	283·8	277·7	1st	290·3	*289·7*	+0·4	3	− 21
1264	Adelaide	34 56	138 35	42·7	1010·9	1015·9	+ 0·1	295·6	312·4	21st	284·0	277·2	1st	289·8	*289·5*	+0·2	43	− 1
1265	Melbourne	37 49	144 58	35·1	1009·8	1014·0	− 0·7	292·6	308·8	22nd	282·9	278·3	7th	287·8	*287·6*	+0·6	80	+ 14
1266	Bourke	30 13	145 58	110	1005·1	1018·0	− 0·1	303·7	312·4	19th	286·9	279·1	7th	295·3	..	+0·9	9	− 17
1267	Sydney	33 51	151 13	42·1	1008·8	1013·7	− 1·1	296·5	307·8	11th	286·6	281·4	7th	291·6	..	+1·1	82	0
1268	Lord Howe Island	31 20	159 0	4·6	1016·8	1017·4	+ 0·6	295·2	299·1	23rd	288·4	283·1	15th	291·8	..	+0·5	70	− 69
1271	Auckland	36 50	174 50	38·1	..	1017·6	+ 2·5	290·8	293·6	30th	285·1	281·9	12, 16, 26	287·9	..	+0·9	103	+ 11
1272	Napier	39 32	176 53	21·3	..	1015·7	+ 2·8	293·3	299·1	27th	282·2	276·9	16th	287·8	..	+0·6	29	− 35
		S.	E.															

Between Latitude 40° S. and 50° S.

OCTOBER—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1008·5	..	..	..	..	..	..	..	..	..	..	36	− 21
1321	Isla Guafo	43 34	74 45	140	1002·2	1019·3	+ 1·1	284·4	290·0	21st	279·7	277·1	4th	282·1	*281·5*	−0·3	46	− 10
1322	Punta Galera	40 1	73 44	40	1014·7	1019·6	+ 0·8	286·1	292·8	21st	280·5	278·8	10th	283·3	*283·5*	0·0	91	− 11
1323	Sarmiento	45 30	69 0	274	982·7	1013·8	+ 0·3	290·2	298·3	27th	277·4	272·5	6th	283·8	284·0	−0·5	5	− 3
1324	Punta Madryn	42 49	W64 58	14	1015·2	1016·6	+ 1·9	290·5	299·7	23rd	279·5	272·8	8th	285·0	285·4	−0·6	12	− 7
1365	Launceston	41 27	E147 10	10·1	1008·1	1009·2	− 2·3	290·4	299·9	22nd	280·2	274·9	6th	285·3	*284·5*	+0·2	99	+ 31
1366	Hobart	42 53	147 20	53·9	1001·2	1007·7	− 2·7	290·5	305·7	22nd	281·3	277·4	2nd	285·9	*285·1*	+0·7	79	+ 22
1370	Invercargill	46 25	168 21	3·7	..	..	..	290·2	296·9	30th	280·7	273·6	25th	285·4	..	+1·7	90	− 23
1371	Dunedin	45 52	170 31	91·4	..	1009·2	+ 0·1	290·7	298·6	26th	280·6	276·3	24th	285·7	..	+2·2	46	− 31
1371*a*	Christchurch	43 31	172 39	7·6	..	1009·6	− 1·1	291·9	298·7	24th	280·5	274·8	22nd	286·2	..	+1·5	11	− 30
1372	Wellington	41 16	174 46	3·1	..	1014·2	+ 1·8	290·8	294·8	29th	283·1	275·9	16th	286·9	..	+1·5	59	− 45
		S.	E.															

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

OCTOBER—ZONE 14.

RÉSEAU MONDIAL

Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	1004·4	1011·2	+ 5·1	280·1	281·6	2nd	275·9	273·2	5th	278·0	*278·3*	−0·3	152	− 75
1422	Puerto de Punta Arenas .	53 10	70 54	28	1007·9	1011·3	+ 6·1	283·4	287·9	26th	277·2	274·0	8th	280·3	*280·5*	+0·9	24	+ 7
1423	Punta Dungeness . .	52 24	68 26	5	1009·8	1010·4	+ 6·9	282·6	287·8	22nd	277·0	274·8	8th	279·8	*279·3*	−0·5	17	+ 10
1424	Santa Cruz . . .	50 11	68 21	12	1010·9	1011·9	+ 3·1	287·7	296·7	22nd	276·4	270·1	8th	282·1	281·8	−0·5	25	..
1424*a*	Año Nuevo ‡ . . .	54 39	64 8	50	..	..	..	279·8	286·0	26th	274·2	270·7	2nd	277·0	*277·1*	−0·8	24	..
1425	Stanley, Falkland Is. .	51 42	57 51	1·8	..	1010·6	..	281·1	286·9	28th	..	..	..	..	‡*279·3*	..	..	..
1426	Cape Pembroke . .	51 41	57 42	21·3	1009·2	1011·8	+ 7·4	280·9	286·9	22nd	275·5	272·4	11th, 25th	278·2	278·4	+0·1	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	1005·8	1006·3	+ 5·5	277·9	284·2	18th	270·9	266·2	4th	274·4	*274·9*	+0·3	43	− 25

OCTOBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	60 44 S.	44 39 W.	7	998·8	999·7	+ 6·4	272·8	277·6	15th	265·8	248·2	3rd	269·3	269·6	+0·4	20	− 6
		° ′	° ′	metres.	mb	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—OCTOBER, 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	9h.
1	SSE	7·7	SE 3	Calm 0 Calm 0	SE 1 S 2	.. ..	..	E 1 E 2	E 2
2	SE	7·0	SE 3	NNE 2 WSW 2	N 1 NE 1	.. ..	SE 2	E 3 E 2	N 2
3	SSE	11·0	SE 3	Calm 0 Calm 0	S 1 S 1	.. ..	Calm 0	E 3 E 3	NNE 3
4	SE	10·8	SE 2	Calm 0 SE 1	N 1 E 1	.. ..	NW 2	ESE 3 ESE 3	ESE 2
5	SE	11·0	SE 1	Calm 0 WSW 3	NE 1 S 1	.. ..	SE 2	ESE 3 ESE 3	SE 2
6	SSE	10·9	ESE 1	Calm 0 WSW 2	S 1 N 1	.. ..	SE 2	ESE 4 ESE 4	SE 2
7	SE	7·5	SE 3	Calm 0 Calm 0	N 1 SW 1	.. ..	SE 2	E 2 E 1	SE 2
8	SE	11·2	SSE 3	ENE 1 Calm 0	S 1 S 1	.. ..	..	E 4 E 2	Calm 0
9	SSE	11·1	S 2	SW 1 Calm 0	N 1 SW 1	.. ..	SE 4	E 3 E 3	SE 5
10	SE	7·2	SE 2	Calm 0 SSW 1	S 1 NE 2	.. ..	Calm 0	E 5 E 4	SE 4
11	SSE	5·0	SSE 2	Calm 0 Calm 0	SW 1 W 1	.. ..	SE 2	E 3 E 3	SE 4
12	SE	7·4	SE 3	Calm 0 SW 2	SW 2 NE 1	.. ..	SE 4	E 5 E 3	SE 4
13	SE	10·4	SE 3	NE 1 Calm 0	SW 1 SW 1	.. ..	..	E 5 E 2	SE 4
14	SE	11·4	SE 2	NE 2 SW 3	SW 2 S 1	.. ..	SE 2	E 2 Calm 0	SE 4
15	SE	13·4	SE 2	ENE 1 Calm 0	NE 1 SW 1	.. ..	..	SE 1 ESE 1	E 5
16	SE	12·4	ESE 1	ENE 3 Calm 0	N 1 S 2	.. ..	SE 2	E 3 E 2	NNE 5
17	SE	7·0	SSE 3	Calm 0 SSW 3	SE 2 SE 1	.. ..	NW 4	E 1 E 4	NNE 4
18	SE	6·4	SE 4	Calm 0 SSW 3	S 1 SW 1	.. ..	Calm 0	E 5 E 4	SE 5
19	SE	6·9	ESE 4	Calm 0 Calm 0	SE 1 SE 2	.. ..	Calm 0	ESE 2 ESE 2	SE 5
20	SE	7·0	ESE 3	Calm 0 SSW 2	SW 1 S 1	.. ..	Calm 0	E 4 E 2	SE 5
21	SE	9·1	SE 3	Calm 0 SSW 2	N 2 SE 2	.. ..	SE 2	E 2 E 3	SE 5
22	SE	10·4	SE 3	NNW 1 WSW 1	W 1 SE 1	.. ..	SE 2	E 4 E 3	SE 5
23	SE	9·3	SE 3	ENE 1 SSW 1	S 2 SE 1	.. ..	..	E 2 E 3	SE 5
24	SE	6·3	SE 3	Calm 0 WSW 1	N 1 SW 1	.. ..	Calm 0	E 4 E 3	E 5
25	SE	4·1	SE 3	Calm 0 Calm 0	W 1 S 1	.. ..	Calm 0	E 3 E 3	ENE 5
26	SE	4·5	SE 1	Calm 0 Calm 0	W 2 SE 1	.. ..	NW 2	E 3 E 3	E 5
27	SE	4·3	ESE 4	Calm 0 Calm 0	E 1 S 1	.. ..	NW 2	E 3 E 3	E 5
28	SE	4·8	ESE 3	NE 2 SW 3	N 1 SE 2	.. ..	Calm 0	E 3 Calm 0	E 4
29	SE	6·0	ESE 3	Calm 0 SSW 1	W 2 SE 1	.. ..	..	E 3 E 3	E 4
30	SSE	6·0	SE 3	NE 1 SW 2	N 1 S 1	.. ..	..	E 3 E 2	SE 5
31	SE	7·0	SE 3	Calm 0 SW 2	W 1 SW 2	.. ..	NW 2	E 2 E 2	ESE 5
Mean	..	8·2	2·6	0·5 1·1	1·2 1·2	.. ..	1·7	2·9 2·5	3·1
§Resultant		140° (97)	..	135° (94)	210° (12)	..	135° (29)	95° (94)	105° (73)
§Normal		145° (92)	8·7	‖131° (72)	261° (15)	‖‖85° (83)	136° (83)	‖115° (38)	100° (64)

‖ Normal refers to ½(9+21). ‖‖ Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—OCTOBER 1922.

‡‡*Spitsbergen.*—The west coast was free of ice. About the 15th, which is ten days earlier than usual, the ice began to form in the fjords in calm weather.

‡‡*Greenland Sea and Denmark Strait.*—At Angmagsalik a belt of close ice about 30 miles wide lay along the land, otherwise the sea was free of ice. On the 12th no ice was visible, but from the 15th a narrow belt of "Storis" was observed about 10 miles from the coast.

‡‡*N. Atlantic and Labrador.*—Twenty-seven icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 4. Off Belle Isle and northeast Newfoundland the number of icebergs was decreasing owing to the drift southwards and the belt only extended 120—200 miles offshore. In Belle Isle Strait there were many icebergs.

‡‡*Davis Strait and Baffin Bay.*—About the 15th during the ice free season at Cape Farewell, and in Julianehaab Bay, a new supply of "Storis" arrived from the east coast. A belt of scattered and close ice some 30–50 miles wide in places was formed from Cape Farewell to Arsuk, where it was lying a few miles offshore. Outside this some icebergs were observed. Further north there was no ice along this coast, but many icebergs occurred between Arsuk and Sukkertoppen and off Disko Bay.

‡‡ *Isforholdene i de arktiske Have, 1922 and 1923*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, NOVEMBER 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF NOVEMBER 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **NOVEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1016·2	..	255·7	268·0	8th	249·9	240·2	19th	252·8	..	−2·5	14	+ 5
123	Inglefield Bay . .	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik . . .	72 47	56 7	18·9	1005·9	1008·3	− 0·3	268·1	278·8	26th	262·4	256·7	9th	265·3	*264·7*	+1·8	42	+ 15
125	Jan Mayen . . .	70 59	W 8 18	23·1	999·7	1012·6	..	..	275·6	20th	267·0	263·9	1st	..	*269·1*	..	55	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1001·1	1002·6	− 4·7	..	276·3	9th	264·3	259·6	7th	..	266·7	+7·0	1	− 29
139	Björnöen	74 28	19 15	40·5	993·4	998·5	..	..	..	..	269·1	..	..	..	*270·9*	..	14	..
140	Gjesvaer	71 6	25 22	6·5	995·4	996·2	− 7·6	..	278·0	13th	270·6	265·6	28th	..	*273·0*	+1·3	50	− 22
141	Mehavn	71 1	27 47	4·6	995·3	995·9	− 8·0	..	276·9	10th	269·4	262·7	2nd	..	*271·9*	+1·0	106	+ 27
142	Vardö	70 22	31 8	6·8	995·0	995·9	−10·3	..	277·0	10th	269·4	262·8	29th	..	*272·2*	+1·3	71	+ 9
147	Malye Karmakouly . .	72 23	52 43	14·8	1000·7	1002·6	− 1·8	270·9	274·0	6th	267·4	262·3	30th	269·2	*269·2*	+7·0	27	+ 14
148	Waigatz	70 24	58 47	11·2	1004·2	1005·6	− 4·4	270·6	274·5	7th	265·8	256·6	4th	268·2	*268·1*	..	5	..
153	Dickson	73 30 N.	80 23 E.	13	1013·2	1014·9	..	259·2	265·7	25th	252·6	241·2	6th	255·9	..	..	14	..

Between Latitude 70° N. and 60° N. **NOVEMBER—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1007·1	+ 0·8	264·2	274·1	7th	256·5	241·3	21st	260·3	*260·4*	−3·5	47	+ 24
204	Candle	65 55	161 57	2·4	..	..	..	261·6	274·7	7th, 8th	250·4	232·4	22nd	256·0	..	−2·1	12	..
205	Tanana	65 10	152 6	67·1	..	1009·8	+ 0·1	259·6	270·8	8th	252·3	231·9	22nd	255·9	*256·3*	+1·0	14	− 4
206	Rampart	65 30	150 15	122	..	..	..	259·1	269·7	4th	252·7	232·4	22nd	255·9	..	+1·3	20	+ 6
207	Valdez	61 7	146 16	8·2	..	1003·0	− 0·2	273·4	278·6	3, 5, 6	267·9	259·1	18th, 19th	270·7	*270·7*	+0·8	181	+ 74
208	Eagle	64 46	141 12	254	..	1012·2	+ 0·8	263·1	275·2	2nd	254·1	234·1	17th	258·6	*258·7*	+2·3	14	+ 2
209	Dawson	64 4	139 20	328	969·7	1012·5	+ 0·3	262·4	274·1	3rd	255·2	244·1	17th	258·8	..	+3·2	11	− 16
210	Carcross	60 11	134 34	662	..	..	..	269·4	278·6	23rd	263·6	249·7	26th, 28th	266·5	..	+1·8	70	+ 48
211	Fort Good Hope . .	66 15	128 31	65·2	1010·5	1019·6	..	256·0	271·3	8th, 9th	246·5	234·7	18, 23, 29	251·3	..	..	19	− 8
212	Fort Simpson . .	61 52	121 35	59·4	..	..	..	263·6	282·4	12th	254·7	244·1	29th	259·1	..	+3·8	29	+ 8
213	Hay River . . .	60 51	115 57	161	994·6	1015·2	+ 1·3	269·3	281·9	12th	259·6	241·3	29th	264·4	..	+5·7	64	+ 46
225	Jacobshavn . . .	69 13	51 2	12·6	1004·8	1006·4	− 0·4	267·7	282·8	25th	261·3	252·9	23rd	264·5	*265·0*	+0·9	46	+ 29
226	Godthaab . . .	64 11	51 43	9·0	1001·1	1002·3	− 0·8	271·9	286·2	25th	266·6	261·6	13th	269·3	*269·4*	+1·1	27	− 21
227	Ivigtut	61 12	48 10	13·0	1002·3	1003·9	+ 0·9	274·8	291·0	24th	268·4	261·4	22nd	271·6	*271·5*	+1·6	285	+173
229	Angmagsalik . . .	65 37	37 33	31·7	1002·8	1006·9	+ 3·8	269·9	277·7	25th	264·5	258·6	23rd	267·2	*267·1*	−0·6	61	− 25
231	Stykkisholm . .	65 5	22 46	25	1003·5	1006·6	+ 2·3	276·4	282·5	19th	271·4	265·3	23rd	273·9	*274·2*	+0·7	116	+ 52
232	Vestmanno . . .	63 24	20 17	132	992·4	1008·8	+ 7·0	279·7	283·9	28th	273·3	266·2	1st	276·5	*275·8*	+0·6	136	+ 1
233a	Grimsey	66 33	18 1	22·0	1002·4	1005·1	+ 0·1	275·1	282·5	19th	271·1	265·5	9th	273·1	*273·2*	+0·2	..	..
235	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
236	Teigarhorn (Berufjord)	64 41	14 22	18·0	1004·8	1007·0	+ 2·8	278·1	287·3	19th	271·8	264·3	9th	274·9	*275·1*	+1·2	52	− 58
237	Thorshavn . . .	62 3	6 45	26·3	1007·0	1010·3	+ 4·5	280·3	283·7	11th	275·0	269·4	1st	277·7	*278·0*	+0·2	139	− 25
238	Lerwick	60 9	W 1 11	46·9	1006·1	1012·0	+ 5·1	280·6	284·1	13th	276·5	270·8	26th	278·5	*278·9*	−0·4	122	+ 14
239	Bergen (Met. Obs.) .	60 24	E 5 19	44·4	1005·0	1010·5	− 0·4	279·0	282·3	1st	275·0	269·5	28th	277·0	*277·1*	0·0	238	+ 60
240	Aalesund . . .	62 28	6 10	6·3	1007·4	1008·2	+ 0·4	..	284·0	12th	274·6	270·0	26th	..	*277·4*	−0·3	184	+ 50
241	Trondhjem . . .	63 26	10 25	39·5	1001·0	1005·9	− 3·9	277·3	282·5	16th	272·2	264·5	1st	274·7	*275·0*	+1·4	128	+ 52
242	Haparanda . . .	67 17	14 24	22·3	997·5	1000·3	− 5·5	..	281·0	13th	270·9	262·0	29th	..	*274·1*	+0·2	191	+ 87
242*a*	Helsingfors . . .	65 50	24 9	9·2	1000·4	1001·6	− 7·8	271·5	277·0	22nd, 23rd	264·3	250·0	30th	267·9	*268·3*	+0·1	45	− 4
243	Kuopio	60 10	24 57	11·7	1005·6	1007·1	− 5·4	275·1	278·3	4th	270·6	259·2	30th	272·8	272·9	−0·2	64	+ 1
244	Kola	62 54	27 40	90·3	992·4	1003·8	− 9·4	272·4	276·2	14th	268·0	256·1	30th	270·2	*270·4*	0·0	74	+ 26
245	Petrozavodsk . .	68 53	33 1	6·7	997·2	998·1	− 9·5	270·8	275·4	14th	263·5	247·5	2nd	267·2	*267·7*	+1·2	43	+ 18
246	Arkhangelsk . .	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
247	Mezen	64 34	40 31	6·3	1003·4	1004·2	− 7·0	272·3	277·0	6th	267·5	257·6	28th	269·9	*270·1*	+2·8	42	+ 11
248	Onst-Tsylma . .	65 50	44 16	14·9	1001·8	1003·7	− 5·5	271·1	276·1	6th	267·1	259·0	2nd	269·1	*269·2*	+3·6	47	+ 31
249	Teherdyn . . .	65 25	52 18	? 68	999·8	1008·5	− 2·5	270·3	278·5	6th	266·1	255·7	2nd	268·2	*268·4*	+5·4	23	− 4
250	Berezov	60 24	56 31	? 177	994·6	1017·2	− 0·2	270·9	276·1	7th	266·6	258·5	3rd	268·8	*268·9*	+6·0	59	+ 15
251	Obdorsk	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	66 31	66 35.	23·7	1012·4	1015·5	+ 4·0	263·4	274·6	7th	256·7	247·7	1st	260·0	*260·1*	+3·7	4	− 9
254	Doudinka	61 15	73 24	? 40	1016·6	1021·9	+ 6·4	..	274·7	7th	256·5	235·1	12th	..	*261·5*	+2·3	31	+ 7
261	Tonroukhansk . .	69 23	86 4	20	1018·0	1020·7	+ 6·9	..	269·4	8th	249·1	239·0	3rd	..	*252·9*	+1·0	4	− 5
262	Viliouisk . . .	65 47	87 57	? 45	1019·1	1025·3	+ 8·6	..	272·0	2nd, 4th	246·7	229·5	4th	..	*251·5*	−0·6	22	+ 2
265	Jakoutsk . . .	63 45	121 35	120	..	..	..	..	..	..	..	228·7	..	..	*242·9*	−4·1	11	− 2
271	Verkhoiansk . . .	62 1	129 43	98	1009·0	1022·9	+ 2·0	..	260·1	2nd	..	..	..	..	*244·3*	−1·1	16	+ 5
272		67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1004·7	+ 2·8	276·7	283·0	7th	271·7	265·2	23rd	274·2	*273·7*	−0·6	123	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	267·4	275·2	7, 8, 13	260·8	243·6	21st	264·1	..	−4·6	73	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	999·6	− 0·7	277·6	282·4	sev. dates	269·3	258·6	20th	273·4	*273·5*	−1·2	287	..
										Sea Temp.							
307	55°—50° N. 150°—145° W.	††51 24	††147 26	§(23)	..	1009·8	+ 4·1	..	..	280·8 | +1·7	..	..	..	..	279·1	0·0	..	..
309	Sitka	57 3	135 19	27·4	..	1006·4	+ 0·8	281·7	288·0	6th	275·3	270·8	1st, 10th	278·5	*278·3*	+1·8	288	..
310	Prince Rupert	54 18	130 18	51·8	1006·1	1012·5	+ 3·6	283·0	290·2	7th	276·9	271·9	2nd, 9th	279·9	*280·2*	+2·0	592	..
311	Barkerville	53 2	121 35	1274	868·8	1018·4	+ 4·0	274·1	279·1	15th	267·4	260·8	3, 12, 18	270·8	*270·7*	+1·3	80	..
312	Kamloops	50 42	120 29	385	979·2	1027·0	+ 6·7	278·0	283·6	16th	271·9	266·9	3rd	274·9	*275·1*	+0·1	0	..
313	Calgary	51 2	114 2	1045	895·7	1020·1	+ 4·3	281·9	291·3	26th, 27th	264·1	253·6	30th	273·0	*271·6*	+2·4	5	..
314	Fort Chipewyan	58 42	111 10	218	988·1	1017·6	+ 2·3	270·2	280·2	13th	260·2	236·9	29th	265·2	*265·4*	+3·6	49	..
315	Prince Albert	53 10	105 38	442	964·4	1019·6	+ 4·0	274·7	282·4	4th, 26th	266·3	254·1	29th	270·5	*270·1*	+4·3	2	..
316	Qu'Appelle	50 30	103 47	645	939·4	1018·8	+ 1·9	274·1	283·0	1st	266·3	247·4	19th	270·2	*269·7*	+2·6	53	..
317	Minnedosa	50 15	99 50	515	954·5	1018·3	+ 0·7	274·7	283·0	1st	266·9	253·6	20th	270·8	*270·3*	+3·5	71	..
318	Berens River	52 18	97 23	216	..	..	..	272·6	279·1	6th	263·4	250·8	29th	268·0	..	+1·6	28	..
318*a*	Port Nelson	57 4	92 36	14·9	1014·7	1016·6	+ 2·2	265·8	275·8	1st	257·4	240·2	28th	261·6	..	−0·3	57	..
319	Fort Hope	51 33	87 49	‡260	983·7	1016·8	+ 0·4	270·8	279·1	13th	264·1	245·8	30th	267·4	*267·4*	+1·6	36	..
320	Moose Factory	51 14	80 30	9·1	1013·0	1014·2	− 0·1	271·9	278·0	2nd, 13th	264·7	249·1	30th	268·3	..	+0·6	8	..
321	Fort George	53 50	79 5	97·5	..	..	..	268·9	278·0	2nd	263·6	254·7	20th	266·2	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	270·2	279·7	3rd	262·1	249·7	30th	266·1	..	−0·5	67	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	273·2	279·7	1st	266·1	256·9	18th	269·6	..	−0·5	28	..
326	Belle Isle	51 53	55 23	133	987·8	1006·3	− 1·6	271·6	274·7	2nd	268·1	261·3	30th	269·8	*269·9*	−0·7	..	..
										Sea Temp.							
333	53°—48° N. 20°—15° W.	††50 30	††17 38	§(30–31)	..	1030·5	..	..	..	285·8 | +0·1	..	..	..	..	285·3	..	..	..
333*a*	62°—57° N. 20°—15° W.	††59 11	††17 14	§(22)	..	..	..	..	..	282·2 | −0·1	..	..	..	..	281·7	..	101	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1022·6	1024·2	+11·6	283·7	285·8	10th	279·3	275·2	4th	281·5	281·9	+0·3	53	..
335	Aberdeen	57 10	W 2 0	26·8	1013·6	1016·9	+ 7·3	281·5	286·3	14th	276·3	272·4	3rd	278·9	279·1	+0·2	33	..
336	Greenwich	51 28	0 0	46·3	1017·4	1023·2	+ 8·8	281·6	286·3	6th	275·4	271·3	13th, 25th	278·5	278·8	−0·8	..	..
337	Uccle	50 48	E 4 22	100	1009·5	1021·9	+ 7·0	280·4	283·7	9th	274·7	270·0	14th	277·5	277·3	−1·2	82	..
338	De Bilt	52 6	5 11	3·0	1020·1	1020·5	+ 5·9	281·2	284·0	10th	275·0	270·1	15th	278·1	277·9	0·0	51	..
338*a*	Hamburg	53 33	9 58	40·3	1012·3	1017·3	+ 2·5	279·0	282·6	17th	274·7	269·0	28th	276·9	*276·8*	−0·6	48	..
339	Copenhagen (Meteor. Inst.)‡	55 41	12 36	5·0	1013·4	1014·0	+ 0·7	279·1	281·6	16th	273·9	268·5	27th	276·5	*276·2*	−0·2	20	..
340	Potsdam	52 23	13 4	84·9	1007·2	1017·8	+ 2·3	277·9	282·7	2nd, 7th	273·3	267·3	28th	275·6	275·4	−1·1	63	..
340*a*	Uppsala	59 51	17 38	24	1005·6	1008·6	− 1·8	275·1	280·7	14th	269·6	258·8	27th	272·3	272·6	−0·5	24	..
341	Warsaw	52 13	21 1	133	999·9	1016·6	− 2·2	276·6	284·6	4th	270·8	262·1	22nd	273·7	273·7	−1·1	33	..
342	Tartu (Dorpat)	58 23	26 43	74·5	1000·3	1009·7	− 3·3	274·1	280·9	5th	270·2	261·4	30th	272·2	272·3	−0·1	..	..
343	Petrograd	59 56	30 16	4·8	1007·1	1007·7	− 5·2	274·0	280·9	5th	269·9	261·9	28th	272·0	*272·2*	+0·2	48	..
344	Kiiv	50 27	30 30	183	992·8	1015·5	− 3·5	276·8	288·9	5th	273·2	265·0	30th	275·0	*274·9*	+1·2	62	..
344*a*	Moscow	55 50	37 33	167	993·4	1014·4	− 3·2	274·4	284·6	6th	269·6	258·8	29th	272·0	*271·8*	+1·6	37	..
345	Saratov	51 33	45 57	? 122	1005·2	1020·7	− 1·2	276·2	283·2	6th	270·1	264·5	23rd, 27th	273·2	*272·9*	+1·5	38	..
346	Kazan	55 47	49 8	79·9	1010·4	1020·6	+ 1·4	274·1	280·0	6th	269·6	260·6	3rd	271·8	*271·8*	+3·1	17	..
347	Orenburg	51 45	55 6	109	1011·6	1025·5	+ 1·5	276·5	283·5	7th	268·6	262·0	13th	272·6	*272·3*	+3·9	36	..
348	Perm	58 1	56 16	163	1000·4	1021·2	+ 2·6	272·4	276·6	6th, 22nd	267·8	258·7	3rd	270·1	*270·2*	+4·4	..	..
349	Sverdlovsk	56 50	60 38	281	987·0	1022·6	+ 5·0	272·7	283·9	7th	267·4	257·3	4th	270·0	*270·0*	+4·8	31	..
350	Tobolsk	58 12	68 14	108	1009·1	1023·1	+ 4·3	270·0	280·2	7th	263·7	249·3	4th	266·8	*266·7*	+3·2	17	..
351	Akmolinsk	51 12	71 23	? 347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	? 108	1011·8	1025·8	+ 3·9	..	..	27·8·6	5th	264·2	250·0	13th	..	*267·4*	+3·3	25
353	Barnaoul	53 20	83 48	162	1009·2	1030·3	+ 3·1	269·8	279·8	21st	261·9	243·6	13th	265·8	*266·2*	+1·7	50	..
354	Tomsk	56 30	84 58	122	1011·6	1027·8	+ 4·2	..	276·4	8th	259·2	237·8	13th	..	*263·0*	+0·7	..	..
355	Minousinsk	53 43	91 41	248	999·2	1031·8	+ 4·1	..	276·6	19th	258·6	241·0	14th, 15th	..	*262·7*	−1·5	30	..
356	Eniseisk	58 27	92 10	77·6	1018·2	1028·7	+ 6·5	..	273·4	8th	252·3	232·0	14th	..	*257·3*	−3·2	19	..
357	Irkutsk	52 16	104 19	467	970·7	1032·2	+ 4·2	263·6	277·6	9th	252·1	235·1	15th	257·8	*258·2*	−4·1	24	..
358	Kirensk	57 47	108 7	263	994·4	1030·0	+ 5·6	..	273·0	1st	249·4	231·2	19th	..	*254·1*	−3·7	35	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·6	1022·2	+ 0·3	259·2	269·6	2nd	247·8	237·1	23rd	253·5	*253·9*	−1·5	9	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1001·0	1020·0	− 0·1	262·0	274·6	3rd	252·4	242·6	18th	257·2	*256·9*	−4·6	18	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	272·6	276·5	6th	268·4	260·5	27th	270·5	*270·4*	0·0	103	..
369		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. Number of observations.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1012·2	1020·9	+ 5·0	281·9	286·3	7th	277·4	275·2	13th, 29th	279·7	279·2	−0·2	49	− 88
412	Portland, Oregon	45 32	122 41	46·6	1016·1	1021·7	+ 2·7	282·3	286·3	7th	276·5	270·8	27th	279·4	*279·1*	−1·3	75	− 89
413																		
414	Macleod	49 44	113 24	953	..	..	..	280·1	288·0	16th	267·3	251·3	30th	273·7	*273·6*	+1·3	4	− 10
414*a*	Salt Lake City	46 34	112 4	1253	876·8	1023·3	+ 2·5	276·2	288·6	26th	267·0	259·7	13th	271·6	*271·4*	−1·7	26	+ 7
415	Cheyenne	40 46	111 54	1329	869·9	1020·3	− 0·3	280·0	289·3	9th	272·6	269·1	14th	276·3	*276·6*	−1·4	85	+ 50
416	North Platte	41 8	104 48	1856	812·9	1020·6	+ 0·3	278·1	285·8	16th	267·3	260·8	13th	272·7	*273·1*	−1·8	61	+ 49
416*a*	Bismarck	41 8	100 45	859	918·8	1020·3	+ 0·5	283·2	291·3	3rd	270·3	261·3	13th	276·8	*276·8*	+1·5	60	+ 48
417	Winnipeg	46 47	100 38	51·1	957·1	1019·3	+ 0·7	277·3	284·1	5th	270·1	261·3	30th	273·7	*274·5*	+2·9	38	+ 21
418	Duluth	49 53	97 7	232	988·6	1017·7	+ 0·3	276·3	285·2	1st	269·7	258·6	29th, 30th	273·0	*272·6*	+5·9	61	+ 34
419	Port Arthur	48 27	89 12	196	992·2	1016·7	+ 0·5	276·3	283·6	17th	270·8	261·3	25th	273·6	*273·4*	+3·7	49	+ 12
420	Chicago	41 53	87 37	251	988·2	1018·9	+ 0·6	282·9	291·9	5th	277·1	266·9	25th	280·0	*280·0*	+1·7	68	+ 7
421	Toronto	43 40	79 24	116	1003·0	1017·4	+ 0·1	280·8	288·6	11th	274·7	266·9	26th	277·7	277·6	+1·9	38	− 29
422	New York (Central Park)	40 47	73 58	47·4	1011·6	1017·4	− 0·4	284·3	292·4	12th	276·9	270·8	26th	280·6	280·4	+0·7	33	− 47
423	St. John, N.B.	45 17	66 4	36·2	1007·3	1011·8	− 2·1	277·4	282·4	12th	271·3	265·2	28th	274·4	274·2	−1·2	63	− 49
424	S.W. Point, Anticosti	49 24	63 33	9·1	1008·4	1009·6	− 2·3	273·8	277·4	3rd	269·5	263·0	18th	271·7	*271·8*	−0·3	38	− 31
424*a*	Sable Island (Main Station)	43 57	60 6	7·6	1006·4	1007·3	− 7·4	279·1	283·6	9th	275·2	271·9	13, 18, 28	277·2	*277·2*	−2·3	158	+ 18
425	Port aux Basques	47 35	59 10	9·1	1004·7	1005·8	− 6·4	275·8	281·9	1st	271·9	267·4	28th	273·8	*273·9*	−1·1	118	+ 6
426	St. John's, Newfoundland	47 34	52 42	48·8	998·6	1004·7	− 7·1	276·9	281·9	29th	272·4	265·2	15th	274·7	*274·7*	−1·1	135	− 18
430	50°—45°N. 35°—30°W.	††49 7	††32 30	§(21)	..	1022·0	..	..	..	Sea Temp. 286·7 | −0·6	..	..	..	..	286·7	..	..	..
435	Madrid	40 24	3 41	667	944·7	1023·9	+ 5·1	285·0	288·5	4th	277·4	270·5	29th	281·2	*280·6*	−0·2	10	− 53
436	Nantes	47 15	W 1 34	36·5	1019·6	1024·1	+ 8·6	283·3	288·0	3rd, 9th	276·3	271·0	26th	279·8	279·9	−0·7	69	− 18
437																		
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1017·8	1024·1	+ 7·7	281·5	286·1	6th	274·3	269·0	26th	277·9	277·9	−0·9	56	+ 7
438*a*	Marseille	43 18	5 23	75	..	1018·8	+ 3·4	286·9	291·0	4th	277·1	272·0	18th, 25th	282·0	*281·6*	−2·1	21	− 51
439	Zürich	47 23	8 33	493	964·1	1024·5	+ 5·8	278·9	285·2	8th	272·5	267·1	28th	275·7	275·6	−0·9	83	+ 15
440	Rome	41 54	12 27	45·5	1011·8	1017·1	+ 1·5	286·7	292·4	4th	279·0	271·0	29th	282·9	*282·3*	−2·4	63	− 49
440*a*	Vienna	48 15	16 22	203	995·1	1020·3	+ 2·1	278·4	285·7	4th	273·5	268·1	28th	275·9	275·9	−1·1	31	− 14
441	Budapest	47 31	19 2	130	1002·8	1019·1	+ 0·2	279·6	288·1	1st	272·4	265·9	29th	276·0	*276·4*	−1·6	55	+ 4
442	Sofia	42 42	23 20	550	952·4	1019·4	+ 0·9	278·2	291·8	5th	272·0	263·5	30th	275·1	*274·8*	−2·7	42	− 6
	Bucharest	44 25	26 6	82	1007·8	1018·1	− 2·1	278·9	289·1	4th	272·5	260·0	30th	275·7	275·6	−1·7	120	+ 72
443	Odessa (University)	46 29	30 46	65·3	1008·5	1016·6	− 4·1	278·6	288·5	5th	274·6	268·1	23rd	276·6	*277·0*	−0·4	44	+ 10
444	Kharkiv (University)	50 0	36 14	140	999·1	1016·5	− 4·7	278·2	292·1	5th	274·0	263·5	23rd	276·1	*276·1*	+2·7	41	+ 3
444*a*	Novorossiisk	44 44	37 49	37·1	1011·6	1016·1	− 3·6	287·5	297·5	6th, 7th	279·9	269·2	24th	283·7	*283·7*	+2·5	102	+ 32
445	Tiflis	41 43	44 48	404	972·0	1020·6	− 2·0	283·7	293·2	5th	277·7	267·8	26th	281·7	281·2	+0·7	16	− 17
446	Astrakhan	46 21	48 2	− 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	− 23·0	1023·0	1020·2	− 2·0	283·8	290·1	5th	277·3	275·5	30th	280·6	*280·4*	+2·6	1	− 8
448	Krasnovodsk	40 0	52 59	− 5·9	1020·0	1019·3	− 2·4	288·4	295·1	5th	282·3	275·8	25th	285·4	*285·2*	+1·8	8	− 5
449	Kasalinsk	45 46	62 7	67	1017·2	1025·6	+ 0·9	..	..	..	269·9	263·8	30th	..	*275·0*	+3·1	13	+ 2
450	Tachkent	41 20	69 18	478	966·4	1023·5	− 1·3	290·5	300·1	20th	277·1	272·4	14th, 26th	283·8	*282·7*	+2·7	13	− 20
452	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Alma Ata	43 16	76 53	841	927·1	1027·9	+ 0·2	281·6	290·9	21st, 25th	271·2	263·2	6th	276·4	*275·7*	+2·5	17	− 28
461	Moukden	41 48	123 23	43·8	1018·8	1024·5	− 0·1	273·7	289·7	6th	262·9	250·6	20th	268·3	268·1	−3·3	26	+ 4
462	Joshin	40 40	129 11	31·9	1015·8	1019·8	− 0·6	279·5	287·5	3rd	271·1	264·0	20th	275·3	275·1	−1·3	90	+ 38
463	Yuki	42 20	130 24	65·6	1011·8	1020·2	− 1·0	275·5	286·7	3rd	267·3	260·5	23rd	271·4	271·3	−2·3	30	− 1
464	Vladivostok	43 7	131 55	128	1003·6	1020·1	− 0·6	271·4	284·4	3rd	264·9	255·5	24th	268·2	*268·3*	−3·9	34	+ 5
465	Ochiai	47 20	142 47	27·4	1009·0	1012·5	− 0·4	274·8	284·7	7th	266·5	250·5	30th	270·7	270·9	+0·2	73	− 1
466	Nemuro	43 20	145 35	26·7	1010·1	1013·4	− 1·3	280·7	288·1	1st	273·9	266·6	30th	277·3	277·8	+0·5	129	+ 46
466*a*	Syana	45 14	147 53	39·3	1007·0	1011·9	− 1·5	279·9	290·6	1st	273·6	267·0	30th	276·7	276·9	+1·0	126	+ 8
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

Between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
508	35°—30° N. 145°—140° W.	††31 10	††141 44	§(17)	..	1018·9	− 1·7	..	..	Sea Temp. 293·0 | +0·6	..	..	..	..	292·4	+1·1	..	..
511	San Francisco	37 48	122 26	47·2	1013·1	1018·9	− 0·3	288·7	291·3	24th	282·1	279·1	29th	285·4	*285·0*	−0·7	96	+ 35
512	San Luis Obispo	35 18	120 39	61·3	1011·3	1018·6	+ 0·2	292·5	300·8	26th	278·8	273·0	3rd	285·7	*284·6*	−0·9	135	+ 94
513	San Diego	32 43	117 10	26·5	1014·0	1017·3	+ 0·6	292·4	299·1	26th	282·4	280·2	18th	287·4	*287·1*	−0·7	19	− 4
514	Modena	37 48	113 54	1670	834·3	1018·9	− 1·2	281·2	289·7	18th	267·3	261·9	4th	274·2	*273·4*	−1·8	25	+ 11
515	Santa Fé	35 41	105 57	2138	786·9	1018·6	− 1·0	280·6	288·6	9th	269·7	263·0	13th	275·1	*275·1*	−1·4	29	+ 10
516	Denver	39 45	105 0	1613	838·0	1020·0	+ 0·4	281·4	289·7	26th	270·4	256·3	13th	275·9	*276·2*	−1·1	50	+ 35
517	Abilene	32 23	99 40	530	958·0	1020·0	+ 0·7	291·6	299·7	4th	280·1	272·4	14th	285·8	*284·7*	+0·9	50	+ 15
518	Saint Louis	38 38	90 12	173	999·3	1020·3	+ 0·8	286·3	295·8	5th	278·3	269·1	25th	282·3	*282·1*	+1·9	60	− 13
519	Mobile	30 41	88 2	17·4	1018·5	1020·6	+ 0·7	294·6	301·9	2nd	285·6	276·3	26th	290·1	*289·6*	+2·4	101	+ 7
520	Nashville	36 10	86 47	166	1002·4	1022·7	+ 1·7	289·1	299·1	1st	278·3	268·6	26th	283·7	*283·9*	+1·3	46	− 44
521	Charleston	32 47	79 56	14·6	1019·5	1021·3	+ 1·1	292·9	300·8	7th	284·3	274·1	29th	288·6	*288·5*	+1·3	3	− 58
522	Washington	38 54	77 3	34·1	1015·3	1019·6	− 0·1	286·7	296·3	12th	276·9	270·8	30th	281·8	*281·5*	+1·3	14	− 49
523	Bermuda	32 17	64 46	46·0	1012·0	1017·5	0·0	295·2	299·1	6th	287·4	284·1	23rd	291·3	*290·9*	−2·5	93	− 31
530	Santa Cruz (Flores)	39 27	31 9	40	1013·4	1017·9	− 2·2	293·3	296·9	1st	289·6	286·5	10th	291·5	*291·7*	+1·6	141	− 25
531	Horta	38 32	28 38	65	1011·7	1018·9	− 1·3	292·8	295·3	13th	289·1	286·0	19th	290·9	290·7	+0·6	131	+ 10
532	Ponta Delgada	37 44	25 40	22	1017·6	1019·5	− 0·2	292·3	295·0	2nd	289·3	286·4	28th	290·8	290·7	+1·0	..	..
532*a*	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	193	+ 48
533	Madeira (Funchal)	32 38	16 55	25	‡1017·1	‡1020·0	+ 1·1	294·3	297·1	8th	288·8	285·5	19th	291·6	*291·2*	+0·2	133	+ 14
534	Lisbon	38 43	9 9	95	1010·6	1022·2	+ 4·3	290·0	292·7	9th	284·4	279·0	29th	287·2	286·9	+0·3	8	−101
535	Melilla	35 18	2 59	16·2	1018·0	1020·0	+ 1·9	291·7	295·2	2nd, 8th	286·8	281·3	1st, 2nd	289·3	*289·1*	+0·5	101	− 61
536	Gibraltar	36 6	5 21	769	930·4	1018·8	▬	292·9	299·0	7, 9, 12	281·1	276·0	30th	287·0	*286·0*	..	9	..
537	Colomb-Béchar	31 36	2 4															
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

NOVEMBER—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1017·7	1020·5	+ 3·3	289·8	297·0	4th	282·2	277·4	26th, 29th	286·0	..	—1·7	30	— 28
538	Algiers (Bouzaréah)	36 48	3 2	342	979·2	1018·8	+ 1·8	288·4	293·2	5th	284·1	279·3	29th	286·3	286·0	—0·8	63	— 25
539	Tunis	36 48	10 10	21	1015·1	1017·6	..	292·1	298·4	3rd	284·4	278·8	21st	288·2	*288·1*	+0·2	22	— 46
539*a*	Malta	35 54	14 31	56·4	..	1016·3	+ 0·4	290·8	297·4	1st	287·1	280·2	29th	288·9	*288·1*	—1·8	48	— 19
540	Riposto	37 41	15 14	14·2	..	1018·3	+ 1·3	290·5	296·6	2nd	284·2	276·3	29th	287·3	*287·1*	—1·5	30	— 28
541	Athens	37 58	23 43	107	1002·0	1014·9	— 2·3	289·2	296·7	4th	282·3	274·8	30th	285·7	285·3	—1·7	72	— 21
542	Alexandria	31 12	29 53	32·0	1011·6	1015·3	— 2·0	298·7	305·2	6th	289·8	284·9	29th	294·3	*294·0*	+1·2	11	— 18
543	Nicosia (P.W.D.)	35 9	33 22	159	995·5	1014·2	— 2·3	294·8	304·7	2nd, 3rd	284·3	276·3	24th	289·6	..	+0·7	64	+ 17
544	Beirut	33 54	35 28	33·7	..	1014·3	— 2·8	295·6	299·8	6th	299·9	286·1	30th	293·3	*293·0*	+0·9	177	+ 73
545	Hinaidi (Baghdad)	33 17	44 29	32·3	..	1016·5	— 2·2	299·8	306·3	1st	285·1	282·4	7th	292·4	*292·2*	..	2	— 74
546	Lenkoran	38 46	48 52	— 20·0	1021·6	1019·2	— 2·6	..	..	..	282·4	273·0	25th	..	*285·0*	+1·0	148	— 31
547	Tehran	35 41	51 25	1220	..	..	..	291·6	295·5	1st	..	..	..	..	‡*283·5*	..	0	— 14
548	Meshed	36 16	59 35	946	883·7	..	..	291·5	298·5	20th	274·5	271·3	8th	283·0	..	+1·7	29	— 8
549	Seistan	31 0	61 30	?	..	..	..	296·4	302·1	1st	278·7	274·6	3rd	287·6	..	..	0	— 11
550	Quetta	30 11	67 3	1677	837·8	..	+ 0·1	292·3	296·4	1st	272·2	268·9	16th	282·2	*281·9*	—0·2	0	— 11
551	Peshawar	34 2	71 37	339	978·7	1019·4	+ 0·1	297·7	302·1	1st	280·5	277·4	17th	289·1	*288·0*	—0·4	0	— 11
551*a*	Lahore	31 34	74 20	214	991·5	1017·1	+ 0·1	300·4	305·1	3rd	282·5	279·7	20th	291·5	*290·3*	—0·1	0	— 14
552	Simla	31 7	77 8	2205	784·0	..	+ 0·2	286·4	288·1	1st	280·1	277·5	17th	283·3	*283·0*	—0·3	0	— 14
552*a*	Leh	34 10	77 42	3503	669·1	..	— 0·2	281·2	286·2	1st	266·4	263·4	19th	273·8	*272·7*	—0·4	0	— 8
559	Hankow	30 35	114 17	37·0	1021·0	1025·5	+ 0·2	291·0	299·5	3rd	280·2	268·0	26th	285·6	*285·2*	+0·3	5	— 46
560	Tientsin	39 10	117 10	5·0	1024·6	1025·2	— 0·5	281·3	291·0	2nd	271·5	260·7	25th	276·4	*276·3*	1·5	12	— 39
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1023·6	— 0·1	290·8	298·8	6th	278·9	267·9	26th	284·9	283·5	—0·6	12	— 46
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1013·9	1022·3	— 0·4	282·5	293·6	5th	273·2	262·4	27th	277·8	277·4	—1·9	44	— 44
562*a*	Nagasaki	32 44	129 52	133	1004·1	1020·1	— 0·7	289·4	297·0	7th	281·5	273·7	21st, 26th	285·4	285·2	—0·4	155	+ 44
563	Kyoto	35 1	135 44	42·9	1013·7	1019·0	— 0·4	290·3	297·1	1st	278·5	272·3	22nd	284·4	283·4	+0·7	119	+ 19
564	Tokyo	35 41	139 46	5·8	1014·6	1015·3	— 3·0	289·5	298·0	3rd	279·2	272·4	28th	284·4	283·8	+0·5	64	— 47
565	Kanayama	37 53	140 46	24·6	1013·7	1016·7	— 1·6	289·9	293·9	4th	276·5	268·9	22nd	281·7	281·4	+0·7	101	+ 17
566	Miyako	39 38	141 59	30·4	1011·9	1015·6	— 1·7	286·5	292·7	7th	275·8	269·2	18th	281·1	280·5	+0·3	168	+ 70

NOVEMBER—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
601	Midway Island	28 15	177 22	5·8	..	1017·6	— 1·3	296·9	300·2	6th	291·2	286·9	26th	294·1	*293·7*	..	130	— 28
605	Honolulu	21 19	157 52	11·6	1014·7	1016·0	— 0·7	299·2	300·8	..	293·9	290·2	..	296·6	*296·3*	0·0	26	— 81
614	La Paz	24 9	110 20	12	1012·1	1013·5	..	299·2	303·6	20th	288·6	283·0	20th	293·9	..	..	10	— 41
615	Chihuahua	28 38	106 4	1423	859·8	1015·6	..	294·0	299·5	11th	280·2	273·5	17th	287·1	*286·7*	..	1	— 45
616	Leon	21 7	101 41	1809	824·0	1014·4	+ 0·5	298·7	301·0	3rd, 4th	282·2	279·2	10th	290·5	*290·3*	+1·1	2	— 52
616*a*	Monterry	25 40	100 18	528	956·6	1017·3	0·0	293·9	302·3	4th	286·1	279·8	25th	290·0	*290·1*	—0·2	58	— 15
617	Tulancingo	20 5	98 22	2180	790·9	..	..	293·1	297·5	5th	281·8	278·0	11th, 24th	287·4	*286·7*	+0·7	14	— 65
618	Salvveston	29 18	94 50	16·5	1017·6	1019·6	+ 0·1	294·5	299·1	6th	288·8	281·9	26th	291·7	*291·7*	+1·4	65	— 86
618*a*	New Orleans	29 57	90 4	16·2	..	1020·0	+ 0·5	296·1	302·4	6th	288·3	279·7	26th	292·2	*291·7*	+2·0	86	— 36
619	Merida, Yuc.	20 58	89 38	22	1014·7	1017·3	— 0·2	301·5	303·8	1st, 2nd	293·6	289·4	29th	297·5	*296·9*	+0·5	36	— 28
620	Havana	23 8	82 21	24·3	..	1016·9	+ 0·6	301·3	303·3	1st	294·3	290·9	30th	297·8	*297·5*	+0·9	58	— 55
620*a*	Key West	24 33	81 48	6·7	1016·5	1017·3	+ 0·3	299·9	302·4	26th	294·6	288·6	29th	297·2	*297·0*	+0·8	85	— 57
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	299·7	..	..	294·7	..	..	297·2	*297·1*	—0·2	57	— 57
622	Watling Island	24 6	74 26	33·5	‡1014·0	1017·9	+ 2·8	..	302·4	21st	..	294·7	30th	..	*298·4*	..	..	— 57
633	Izaña	28 19	16 30	2367	766·0	..	..	282·1	290·0	7th	276·6	271·2	15th	279·4	*279·1*	+0·2	122	— 36
634	La Laguna	28 28	W16 20	547	952·5	1015·8	— 1·7	291·8	296·3	4th	285·0	281·0	3rd	288·4	*287·9*	—0·2	148	— 11
641	Siwa	29 12	E 25 29	— 23	1020·6	1017·9	..	298·2	307·0	5th	284·4	279·3	29th	291·3	..	..	3	— 8
642																		
643	Cairo (Helwan)	29 52	31 20	116	1001·8	1015·2	— 1·7	298·7	306·4	5th	288·6	283·5	30th	293·7	*293·3*	+1·0	0	— 8
643*a*	Aswan	24 2	32 53	99·6	1001·5	1013·0	— 1·3	306·4	313·1	5th	291·6	288·0	sev. dates	299·0	*298·5*	+3·4	0	— 8
644	Tor	28 14	33 37	1·9	1013·5	1013·8	— 1·2	300·2	304·6	18th	289·1	286·4	12, 20, 22	294·6	*294·4*	+1·8	0	— 8
647	Bushire	28 59	50 53	4·3	1016·1	1016·7	+ 0·2	300·3	301·9	1st	291·0	288·6	11th	295·7	*295·4*	+1·5	0	— 8
648	Jask	25 44	57 47	4·0	1015·7	1016·1	— 0·5	303·1	306·6	3rd	293·8	290·2	24th	298·4	*298·1*	+0·9	0	— 8
649	Karachi	24 53	66 57	4·0	1015·2	1015·7	— 0·3	302·9	305·6	5th	291·7	289·0	24th	297·3	*297·0*	+0·1	0	— 8
650	Jacobabad	28 17	68 29	56·7	1010·1	1016·8	+ 0·5	301·6	306·5	1st	283·8	281·0	23rd	292·7	*292·0*	—1·2	0	— 8
651	Jaipur	26 56	75 52	436	967·3	1017·7	+ 0·3	302·1	307·2	1st	285·4	281·1	21st	293·7	*292·8*	—0·7	13	— 8
652	Nagpur	21 8	79 5	310	980·2	1015·9	— 0·2	301·4	305·6	1st	289·8	284·3	20th	295·6	*295·3*	—0·1	51	— 8
653	Allahabad	25 25	81 51	94·1	1005·9	1016·5	+ 0·9	301·7	306·3	1st	286·6	281·8	19th	294·2	*293·3*	+0·4	0	— 8
653*a*	Darjeeling	27 3	88 18	2266	779·1	..	+ 0·1	286·9	289·9	1, 2, 23	279·5	277·4	17th	283·2	*282·9*	+0·8	0	— 8
654	Calcutta	22 36	88 23	6·4	1014·1	1014·8	— 0·2	301·3	302·8	5th, 6th	291·0	286·2	18th	296·2	*295·8*	+0·4	2	— 8
655	Gauhati	26 8	91 41	59·7	1009·1	1016·0	— 0·5	300·9	303·6	2nd	289·2	285·8	25th	295·1	*294·4*	+0·3	3	— 8
655*m*	Cherrapunji	25 15	91 42	1314	871·2	..	— 0·2	293·8	296·1	21st	286·4	283·2	17th	290·1	*289·4*	+1·0	0	— 8
655*a*	Akyab	20 11	92 56	6·1	1011·9	1012·6	— 1·1	?301·6	303·3	2nd	295·1	291·5	30th	298·3	*297·9*	—0·1	190	— 8
656	Mandalay	21 59	96 0	76·2	1005·9	1014·6	0·0	303·1	306·9	1st	294·1	287·2	28th	298·6	*298·0*	+0·3	195	— 8
656*a*	Tengyueh	25 2	98 33	1625	835·4	1011·0	— 1·4	291·9	295·2	7th	280·0	273·0	29th	285·9	*285·1*	—0·2	154	— 8
657	Phu Lien	20 48	106 38	116	1004·9	1018·5	+ 1·4	297·4	302·4	7th	290·0	282·0	27th	293·7	293·3	—0·7	30	— 8
658	Moncay	21 31	107 51	9	1017·7	1018·8	+ 1·4	296·9	303·6	7th	288·2	276·0	27th	292·5	*293·1*	—1·3	48	— 8
659	Hongkong	22 18	114 10	33·2	..	1018·3	+ 0·8	296·4	301·1	8th	290·4	279·5	26th	293·4	293·2	—0·5	14	— 8
660	Amoy	24 27	118 4	ca.3	1018·5	1018·9	+ 0·7	295·4	300·8	1st	290·1	279·7	26th, 27th	292·8	*292·4*	—1·0	27	— 8
661	Taihoku, Formosa	25 2	121 31	9·3	1018·5	1019·6	+ 1·0	295·9	303·0	5th	288·2	274·1	27th	292·0	291·6	—1·2	38	— 8
661*a*	Basco	20 28	121 59	18·7	1009·9	1012·3	— 0·4	299·4	302·8	6th	295·0	290·0	26th, 27th	297·2	*297·4*	—0·2	348	— 8
662	Naha	26 13	127 41	10·5	1016·7	1017·9	+ 0·4	297·1	301·4	6th	289·7	282·2	28th	293·4	293·1	—0·7	94	— 8
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1015·1	1015·6	— 0·5	298·3	300·9	9th	293·0	287·9	21st	295·7	295·4	—0·5	211	— 8
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 109.

NOVEMBER—ZONE 7.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	955·4	1010·9	..	304·9	308·6	17th	290·3	288·1	14th	297·6	*295·6*	..	11	..
716	Morelia	19 42	101 7	1923	811·5	1013·5	..	294·2	297·2	6th	284·3	281·8	24th	289·3	*288·4*	..	27	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·0	..	— 0·1	294·2	297·6	6th	281·1	278·3	13th	287·7	286·7	+0·4	50	+ 35
718	Salina Cruz	16 12	95 12	56	1005·2	1011·6	..	302·7	304·8	14th, 15th	296·0	293·0	22nd	299·3	*299·3*	+0·4	8	— 19
719	San Salvador	13 42	89 13	682	937·1	1013·0	+ 0·2	303·8	305·4	13th	289·2	285·8	28th, 30th	296·5	*294·9*	—0·5	31	— 4
720	Belize	17 29	88 12	5·2	1013·3	1013·9	— 1·2	..	..	..	293·7	289·1	30th	..	‡*296·4*	+0·8	210	— 92
722	Jamaica (Negril Point)	18 15	78 23	10·1	..	1012·5	+ 0·6	303·9	305·5	2nd	294·4	292·7	4th	299·2	*298·8*	+0·2	43	— 66
723	Port au Prince	18 33	72 20	37·4	1009·3	1013·6	+ 0·5	303·7	306·2	16th	294·2	291·5	22nd	298·9	*298·1*	—0·5	55	— 32
724	Caracas	10 30	66 55	1042	898·4	1013·0	+ 0·8	296·8	300·1	1st	288·1	285·6	27th	292·5	*291·7*	—0·9	86	+ 1
724*a*	Montserrat	16 41	62 9	39·6	1007·8	1012·4	— 0·9	303·2	305·2	10th	295·6	292·4	22nd	299·4	*298·9*	+0·9	90	— 70
725	Grenada (Richmond Hill)	12 5	61 46	155	‡992·7	‡1010·6	— 0·3	302·2	305·2	3rd	296·4	295·2	17, 20, 26	299·3	*298·7*	0·0	164	— 49
	Barbados	13 8	59 36	55·2	..	1011·5	— 0·7	301·8	303·2	4th	295·4	292·8	26th	298·6	*297·9*	—0·3	87	— 78
731	São Vicente, C. Verde Is.	16 54	25 4	11	1011·3	1012·5	— 1·2	299·7	301·0	28th	294·0	292·0	21st, 27th	296·8	*297·8*	+0·2	0	— 7
732	San Tiago, C. Verde Is.	14 54	23 31	34	1009·3	1013·1	— 1·1	301·3	303·6	10th	296·3	293·8	30th	298·8	*299·0*	+0·4	0	— 12
733	Bathurst	13 27	16 34	1·8	..	1013·7	+ 0·4	303·6	305·2	10th, 11th	294·1	293·0	4th, 15th	298·8	*299·0*	—0·4	1	— 4
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	306·7	308·6	22, 23, 24	290·9	288·6	15th	298·8	..	—1·8	0	— 4
735*a*	Niénébalé	12 57	7 26	300	..	..	..	308·8	311·1	20th	291·8	287·0	5th	300·3	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	0	..
	Timbuktu	16 43	W 3 2	270	..	..	..	308·4	312·2	19th	291·5	287·1	4th	300·0	*299·8*	+0·5	0	0
737	Sokoto	13 2	E 5 14	353	..	..	..	310·3	312·4	23rd, 25th	291·7	288·0	19th, 30th	301·0	300·5	+0·9	0	0
738	Kaduna Capital	10 32	7 25	637	942·0	1012·6	— 0·4	305·4	308·0	18th, 21st	295·2	292·4	13th	300·3	*299·8*	+1·9	0	— 4
739	Hadeija	12 40	10 5	?	..	..	..	309·4	311·3	23rd, 24th	287·7	284·7	18th	298·6	*298·1*	+0·4	0	0
740	Maiduguri	11 47	13 11	361	..	..	..	311·9	315·2	24th	292·2	288·6	17th	302·1	*301·6*	+2·4	0	0
741	El Fasher	13 32	25 18	730	..	..	..	308·7	310·5	5th	284·9	281·4	20th	296·8	*296·7*	..	0	..
743	El Obeid	13 11	30 14	569	945·9	1009·2	— 1·1	308·7	310·6	9th	291·4	288·4	19th	300·0	*300·3*	+2·8	0	0
743*a*	Khartoum	15 37	32 33	390	965·1	1008·0	— 2·2	308·4	311·5	5th	293·9	291·4	30th	301·1	*301·2*	+0·4	0	0
744	Port Sudan	19 37	37 13	5·5	1011·1	1011·8	— 0·8	305·1	306·2	5th	297·6	295·4	30th	301·4	*301·0*	+1·1	3	— 39
745	Berbera, Somaliland	10 22	45 2	9·5	1014·1	1015·1	+ 0·3	306·8	309·1	6th	292·0	289·1	28th	299·4	*300·4*	—0·4	0	— 5
746	Aden	12 45	45 3	28·7	1011·9	1015·2	0·0	302·2	306·4	7th	295·9	293·3	28th	299·1	*298·5*	—0·4	0	— 2
751	Bombay	18 54	72 49	11·3	1011·5	1012·8	— 1·3	304·4	306·4	6th	297·0	293·2	21st	300·7	299·8	+0·7	0	— 11
752	Kodaikanal	10 14	77 28	2343	770·5	..	— 1·2	289·8	292·9	24th	283·1	279·5	19th	286·4	*285·8*	+0·6	372	+185
752*a*	Bangalore	12 59	77 38	920	911·0	1011·9	— 1·3	299·1	301·6	26th	290·5	284·1	20th	294·8	*294·2*	+0·3	134	+ 66
753	Madras	13 4	80 14	6·7	1010·9	1011·7	— 1·5	301·7	304·0	14th, 22nd	296·2	291·3	20th	298·9	*298·4*	—0·1	834	+496
754	Vizagapatam	17 42	83 19	11·6	1012·3	1013·5	— 0·6	301·8	303·8	21st	296·6	293·0	18th	299·2	*298·8*	+0·7	221	+137
755	Port Blair	11 40	92 40	18·0	1008·5	1010·6	— 1·4	302·0	303·7	3rd	297·3	296·1	27th	299·7	*299·3*	—0·9	541	+301
756	Rangoon	16 46	95 48	5·5	1012·5	1013·1	— 0·4	304·0	306·2	8th	296·0	292·6	28th	300·3	*299·4*	+0·6	93	+ 24
757	Saigon	10 47	106 42	11	1008·8	1010·0	+ 0·1	303·9	305·8	23rd	295·8	290·8	27th	299·8	*299·3*	+0·1	83	— 10
758	Nhatrang	12 15	109 12	3·6	1011·5	1011·9	+ 0·7	300·9	303·9	17th	295·3	292·4	26th	298·1	*297·7*	—0·5	624	+273
759	Bolinao	16 23	119 53	7·1	1006·9	1007·7	— 1·3	303·9	307·0	1st	295·6	291·2	28th	299·7	*299·7*	—0·2	73	+ 27
761	Vigan	17 34	120 23	12·2	..	1009·4	— 0·8	303·8	307·5	4th	293·8	291·3	27th	299·8	299·5	—0·3	49	+ 15
761*a*	Manila	14 35	120 59	14·2	..	1009·8	0·0	304·1	306·0	2nd	293·6	293·4	28th	299·9	298·7	—0·1	91	— 42
762	Ormoc	11 0	124 36	5·6	1007·0	1007·7	— 0·3	304·7	306·2	6th, 18th	293·4	293·3	21st	300·1	*299·4*	+0·7	307	+105
765	Guam, Ladrone Is.	13 24	144 38	20·4	1005·0	1007·6	— 0·3	302·8	304·3	1st, 13th	297·6	296·0	11th, 17th	300·2	*300·2*	+0·2	194	+ 10
		N.	E.															

Between Latitude 10° N. and 0°.

NOVEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		N.	W.															
805	Fanning Island	3 54	159 23	5·3	1010·8	1011·4	..	305·1	307·3	27th	297·8	293·0	21st	301·4	*300·9*	+0·1	8	— 71
822	Colon	9 23	79 23	11·0	..	1010·9	+ 0·1	302·3	304·7	3rd	296·3	295·2	5th	299·3	*298·9*	—0·1	397	—129
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	119	+ 2
823	Merida, Venez.	8 36	71 9	1641	‡841·5	..	+ 0·5	295·3	297·5	6th	287·8	284·5	21st	291·5	*290·7*	—0·5	273	+ 70
824	Ciudad Bolivar	8 9	63 33	38	..	..	..	305·1	307·2	12, 13, 14	296·9	295·7	20th	301·0	*300·5*	..	48	— 39
825	El Peru, Guayanavieja	7 19	61 49	220	984·0	1009·0	— 0·1	301·9	303·8	3rd	292·9	291·3	30th	297·4	*296·8*	—1·0	82	— 1
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1011·3	+ 0·2	302·7	304·9	16th	297·3	295·8	26th	300·0	*299·7*	—0·5	371	+202
826*a*	Paramaribo	5 49	55 9	3·7	‡1011·5	‡1011·9	+ 0·3	304·4	307·1	1st	295·8	294·2	27th	300·1	*300·0*	+0·2	197	+ 75
	Cayenne	4 56	52 21	6	1012·0	1012·7	+ 1·8	305·0	309·0	9th	..	..	..	..	*298·1*	—0·9	416	+299
831	10°—5° N. 30°—25° W.	†† 26	†† 27	13	§(72 81)	..	1011·0	— 0·5	..	..	Sea Temp. 20, 21, 23	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	301·4	303·0	20, 21, 23	295·5	294·0	22nd	298·4	*298·0*	—1·8	185	+ 59
834	Freetown, Sierra Leone	8 29	13 9	68·3	1003·7	1011·5	+ 0·6	303·7	305·8	15th	296·2	294·7	23rd, 28th	299·9	*298·9*	—0·4	181	+ 51
835	Assuantsi	5 18	1 15	101	..	..	..	303·1	304·7	19th, 26th	294·6	293·0	3rd	298·8	*298·2*	..	57	..
837	Accra	5 33	W 0 12	27·0	1007·3	1010·4	..	304·0	305·2	20th	296·2	293·6	26th	300·1	*299·6*	+0·5	50	+ 12
838	Lagos	6 27	E 3 24	4·6	1009·6	1010·1	0·0	303·6	304·7	20th, 22nd	297·0	294·7	1st	300·3	*299·9*	—0·3	89	+ 23
839	Zungeru	9 48	6 10	130	..	..	..	309·0	309·7	sev. dates	291·5	288·0	20th	300·3	*299·8*	+0·8	0	— 4
841	Yola	9 12	12 30	259	..	..	..	309·2	311·3	23rd	..	..	..	..	‡*300·9*	+0·6	3	+ 1
	Wau	7 42	28 3	440	..	..	..	..	..	..	291·1	291·0	26th	..	†*299·0*	+0·3	0	— 17
843	Malakal (Kodok)	9 35	31 37	394	963·9	1008·0	— 0·9	?307·3	?309·1	9, 10, 21	293·2	289·3	29th	?300·2	?*299·3*	+0·2	36	+ 28
843*a*	Mongalla	5 11	31 47	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
844	Entebbe	0 5	32 29	1171	883·6	1009·4	+ 0·1	299·5	302·4	18, 21, 23	289·9	287·9	7th	294·7	*294·8*	+0·9	135	+ 8
851	Minicoy	8 17	72 49	2·1	1012·5	1012·7

NOVEMBER—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·3	1011·2	+ 0·8	302·4	303·0	5th	297·0	295·5	30th	299·7	*299·0*	—1·2	2	— 17
924	Manaos	3 8	60 1	43·8	..	..	..	305·1	307·4	18th	296·5	294·8	5th	300·8	*299·8*	—1·1	122	— 5
926	Taperinha	2 30	54 20	20·0	1007·0	1009·3	— 0·5	304·9	307·2	1st	296·1	294·8	30th	300·5	*299·4*	+0·1	54	..
927	Turyassu	1 43	45 26	15·1	1007·8	1009·6	— 0·7	306·4	308·8	28th	296·0	293·9	2nd	301·2	*300·0*	0·0	13	— 4
928	Barra do Corda	5 30	45 16	81·0	998·7	1007·9	— 1·3	306·9	310·4	17th	296·2	293·4	6th	301·6	*300·2*	+0·6	95	— 8
929	Quixeramobim	5 16	39 15	207	987·4	1010·6	— 0·1	307·1	308·6	18th, 21st	295·5	293·7	30th	301·3	*300·8*	—0·6	24	+20
930	Fernando Noronha	3 50	W32 25	106	999·4	1011·3	— 0·9	301·0	302·1	sev. dates	296·5	294·3	9th	298·8	*298·5*	+0·2	13	+ 7
939	Loanda	8 49	E 13 13	59·3	..	1014·2	+ 2·9	299·7	302·4	22nd	295·3	293·7	7th, 9th	297·5	297·3	—0·4	3	— 25
940	Brazzaville	4 17	15 16	320	976·4	1012·4	+ 0·6	303·9	308·0	13th, 17th	294·3	293·0	9th, 20th	299·1	*298·5*	+0·2	195	+ 18
943	Masaka	0 21	31 47	?1280	..	..	..	302·6	303·6	sev. dates	283·7	283·0	sev. dates	293·2	*292·8*	+0·2	82	— 15
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·4	299·1	19th	287·4	284·1	29th	292·4	..	..	65	— 39
944*a*	Zanzibar	6 10	39 11	21·9	1011·8	1014·4	— 0·4	301·9	303·5	18th	298·0	296·7	11th	299·9	*299·3*	—0·3	365	+101
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	303·6	20th, 22nd	298·6	297·4	2nd, 8th	300·5	*300·2*	+0·2	35	— 8
947	Seychelles, Port Office	4 37	55 27	4·6	1011·7	1012·2	+ 0·3	301·5	302·2	21st, 30th	298·2	296·4	10th	299·8	*299·1*	+0·7	50	—184
957	Padang	0 56	100 22	6·7	..	1010·6	— 0·3	..	..	..	..	..	..	..	..	..	353	—150
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	— 0·2	303·8	305·2	27th	296·4	293·9	13th	300·1	299·5	+0·2	169	+ 29
958*a*	Pontianak	0 1	109 20	2·6	..	1010·4	+ 0·6	..	..	..	..	..	..	..	..	..	486	+ 82
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	12	— 51
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	138	— 63
962	Amboina	3 42	128 10	4·2	..	1009·0	+ 0·1	..	..	..	..	..	..	..	..	..	12	— 99
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	260	+ 99
965	Daru	9 4	143 13	7·6	..	..	..	302·4	..	..	296·5	..	..	299·4	*299·0*	—0·8	52	— 40
966	Port Moresby	9 29	147 9	39·0	..	1009·2	— 0·8	303·6	..	..	296·4	..	..	300·0	*299·5*	—0·4	84	+ 32
967	Rabaul	4 9	152 12	20·7	..	1007·8	..	305·1	306·5	28th, 29th	295·7	293·1	17th	300·4	*299·8*	—0·4	255	+71
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	208	— 98
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1009·1	1009·4	+ 0·9	304·2	306·7	28th	297·4	?296·3	10th, 20th	300·8	*300·6*	—0·1	895	+655
970	Ocean Island	0 52 S.	169 35 E.	54·0	1001·3	1007·4	— 0·5	304·1	305·2	18, 22, 27	297·3	294·7	20th	300·7	*299·9*	—0·4	61	— 83

NOVEMBER—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1009·8	+ 0·3	302·2	305·4	13th	296·9	295·8	6th	299·6	299·1	+0·2	368	+118
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·6	305·8	22nd	295·0	291·3	1st, 17th	298·8	*298·6*	+0·6	120	— 2
1021	Arequipa	16 22	71 33	2451	761·1	..	+ 0·5	293·7	295·8	10th, 18th	282·7	279·1	28th	288·2	*287·5*	+0·8	0	— 1
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	286·6	284·1	27th, 28th	..	*290·8*	..	4	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	994·7	1007·6	— 0·1	305·7	311·0	6th, 20th	294·5	289·2	30th	300·1	*300·2*	—0·1	121	— 24
1026	Cuyaba	15 36	56 6	165	989·4	1008·1	— 0·2	306·0	310·1	6th	295·3	291·9	17th	300·6	*299·4*	—1·3	286	+135
1027	Bello Horizonte	19 55	43 57	895	913·0	1011·5	+ 0·2	298·9	302·0	18th	289·4	284·4	3rd	294·1	293·9	—0·6	314	+ 85
1028	Caetite	14 3	42 37	897	914·1	1012·5	+ 0·2	298·8	304·4	2nd	291·3	288·8	7th	295·0	*295·6*	—0·3	259	+122
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·1	1011·5	— 0·9	300·8	302·4	16th	295·4	292·6	8th	298·1	*297·9*	—0·2	129	— 12
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	946·1	1015·4	+ 0·8	293·1	294·7	28th	285·3	284·7	6th, 11th	289·2	*288·6*	+0·6	30	— 13
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	296·9	299·9	23, 25, 29	..	..	..	..	..	..	0	..
1041	Elisabethville	11 39	27 28	1236	876·7	1008·0	— 0·1	303·8	306·9	6th	289·6	287·3	5th	296·7	..	+0·5	122	— 1
1042	Gwelo	19 28	29 48	1417	859·9	1009·0	— 1·3	303·2	306·3	sev. dates	289·2	284·7	12th	296·2	..	+1·3	77	— 21
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡851·7	‡1006·1	— 1·7	302·4	306·3	5th	289·2	286·3	18th	295·8	*294·6*	+1·3	165	+ 71
1044	Zomba	15 23	35 18	955	905·8	1008·7	— 1·1	305·1	310·2	7th	292·7	288·6	24th	298·9	*297·8*	+1·7	90	— 39
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	300·8	302·5	..	292·9	290·8	..	296·9	*296·4*	..	26	..
1047	Vohémar	13 21	50 1	3	..	..	..	305·5	306·6	..	296·1	294·5	..	300·8	*300·2*	..	11	..
1048	Antalaha	14 58	50 19	3	..	1012·5	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1013·7	1014·3	+ 2·0	302·1	303·1	27th	298·3	296·8	20th	300·2	*299·9*	+0·3	27	— 93
1057	Christmas Island	10 25	105 43	5·5	1008·3	1008·9	0·0	304·3	305·8	..	296·3	294·7	..	300·3	*299·7*	+0·1	153	— 80
1061	Kupang	10 10	123 34	45·1	..	1010·2	+ 1·0	307·3	309·8	1st	296·1	294·3	4th	301·7	301·0	..	127	+ 40
1061*a*	Derby	17 18	123 40	16·2	1007·8	1009·7	+ 0·4	309·3	315·8	6th, 18th	297·9	293·6	2nd, 3rd	303·6	..	—0·1	5	— 25
1062	Hall's Creek	18 13	127 46	374	967·5	1009·1	+ 0·3	310·3	315·7	18th	295·9	..	..	303·1	*302·4*	—0·3	33	— 7
1063	Darwin	12 28	130 51	29·6	1005·8	1009·1	+ 0·5	307·8	309·8	1st	298·7	294·3	9th	303·3	*302·1*	+0·4	70	— 41
1064	Daly Waters	16 16	133 23	211	983·2	1006·4	— 1·5	311·8	315·2	21st	296·3	289·7	2nd	304·0	*303·3*	—0·2	35	— 29
1065	Mein	13 13	142 47	122	992·9	1006·6	— 1·7	307·8	310·1	17th	293·8	290·9	1st	300·8	..	—0·5	38	— 24
1066	Georgetown, Queensland	18 22	143 32	302	976·4	1010·0	— 0·1	309·7	312·6	30th	294·9	290·8	4th	302·3	..	+0·6	24	..
1066*a*	Willis Island	16 18	149 59	8·5	1009·8	1010·8	..	302·3	303·7	18th	297·4	296·0	4th	299·8	*299·4*	..	5	+ 81
1067	Samarai	10 37	150 40	15·2	..	1011·0	+ 1·3	301·4	..	..	..	..	..	..	‡*300·3*	—0·3	260	+ 95
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1010·2	1010·9	— 1·5	300·8	302·6	23rd	292·2	285·8	2nd	296·5	*296·3*	—1·6	336	mm.
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

NOVEMBER—ZONE 11.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·7	301·1	16th	294·4	291·1	25th	297·0	*296·8*	+0·3	170	+ 17
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1014·2	1017·4	+ 1·4	290·1	291·4	26th, 27th	285·3	283·5	5th	287·7	*287·5*	0·0	1	0
1122	Iquique	20 12	70 11	9	1015·1	1016·2	+ 0·7	293·9	295·9	23rd	287·5	285·8	29th	290·7	*291·0*	—0·5	0	0
1123	Catamarca	28 27	65 47	510	952·3	1009·1	+ 1·5	304·8	312·0	21st	290·7	283·5	29th	297·7	297·1	—0·5	44	+ 10
1124	Salta	24 46	65 28	1178	882·2	1009·9	+ 1·8	300·3	305·4	18th	287·6	281·0	29th	293·9	294·1	0·0	49	— 8
1125	Goya	29 9	59 15	26	1007·7	1010·7	+ 1·3	304·1	309·4	21st	289·8	284·8	1st	296·9	297·1	+1·6	100	— 4
1126	Asuncion	25 21	57 37	93	1000·3	1010·9	+ 1·1	306·6	311·5	20th	291·3	284·2	9th	299·0	298·9	+1·2	86	— 64
1127	Curityba	25 25	49 17	908	911·9	1013·0	— 0·1	296·7	303·2	22nd	286·0	281·2	3rd	291·4	*290·2*	—0·7	131	+ 5
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1005·8	‡1012·9	+ 0·4	298·4	307·0	22nd	293·2	288·6	27th	295·8	295·6	—0·3	153	+ 50
1139	Windhoek	22 34	E 17 5	1669	..	..	..	301·4	306·4	17th	287·6	280·3	5th	294·5	*294·7*	—0·8	30	+ 10
1140																		
1141	Kimberley	28 42	24 47	1202	879·4	1008·4	— 1·1	302·5	309·7	18th	286·6	281·4	14th	294·6	294·7	+0·2	54	+ 16
1141*a*	Johannesburg	26 11	28 4	1806	821·1	1011·3	— 1·0	295·8	300·3	10th	284·4	279·9	25th	290·1	*289·7*	—0·4	133	+ 7
1142	Bulawayo	20 9	28 35	1340	866·8	1008·9	— 1·0	302·1	306·1	20th	289·9	285·6	26th	296·0	*295·6*	+0·5	56	— 27
1143	Durban	29 52	31 3	15·2	1013·5	1015·3	— 1·1	298·2	301·4	22nd, 23rd	291·7	287·2	25th	294·9	*294·4*	+0·2	184	+ 58
1144	Lourenço Marques	25 58	32 36	59	..	1013·0	— 1·6	301·7	310·7	23rd	292·8	288·4	25th	297·2	296·8	+0·6	146	+ 70
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	290·9	288·0	..	..	..	..	27	..
1146	Fort Dauphin	25 2	46 58	25	..	1014·1	..	299·8	303·0	..	293·1	288·0	..	296·5	*296·0*	..	20	..
1147	Mauritius	20 6	57 33	55·2	1009·1	1015·5	— 0·6	301·0	303·3	12th	291·8	289·5	9th	296·4	296·2	—0·7	18	— 22
1159	Onslow	21 43	114 57	4·3	1009·1	1009·9	0·0	307·2	313·3	11th	291·4	287·9	29th	299·3	..	—0·1	0	— 1
1160	Cue	27 27	117 52	454	959·7	1009·9	— 0·9	306·2	312·6	26th	290·7	283·7	5th	298·4	..	+0·1	0	— 7
1161	Nullagine	21 53	120 5	386	965·5	1008·1	— 0·1	310·9	316·0	23rd	292·6	283·1	1st	301·8	..	—1·1	21	+ 7
1162	Laverton	28 40	122 23	466	958·7	1010·6	— 1·3	306·8	312·4	12th	291·1	284·2	6th	298·9	*298·7*	+1·5	1	— 20
1163	Alice Springs	23 38	133 37	587	944·2	1008·8	— 2·1	307·2	313·6	20th	291·1	282·2	1st	299·1	*298·9*	0·0	25	— 1
1164	William Creek	28 55	136 21	76·2	1003·3	1012·0	— 0·4	306·6	315·2	20th	289·4	283·6	1st	298·0	*297·5*	+0·1	4	— 7
1165	Boulia	22 55	139 38	146	991·3	1007·5	— 1·2	311·5	315·9	20th	294·7	288·6	2nd	303·1	*302·9*	+1·2	10	— 19
1166	Thargomindah	27 58	143 43	123	996·1	1009·9	— 0·8	308·6	314·9	30th	292·5	284·3	7th	300·6	*300·2*	+1·3	0	— 24
1167	Mitchell	26 32	147 52	336	972·0	1009·8	..	307·4	311·6	18th	289·3	281·9	1st	298·4	..	+1·2	51	+ 1
1168	Rockhampton	23 24	150 30	11·3	1011·1	1012·5	— 0·7	305·6	311·3	29th	293·0	288·8	1st	299·3	..	+0·7	56	+ 1
1170	Brisbane	27 28	153 2	41·7	1008·5	1013·2	— 1·2	301·8	307·0	28th	291·7	288·8	1st	296·8	*296·2*	+0·7	176	+ 83
	Norfolk Island	29 4 S.	167 59 E.	15·2	1015·2	1016·8	+ 0·2	296·2	299·1	29th	288·6	284·1	7th	292·4	*291·9*	+0·1	28	— 43

NOVEMBER—ZONE 12.

Between Latitude 30° S. and 40° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	289·2	291·0	sev. date	281·8	280·0	sev. dates	285·5	*285·0*	—1·1	5	— 48
1221*a*	Punta Tumbes	36 37	73 6	120	1003·0	1017·5	+ 0·3	292·4	297·3	1st	284·0	281·5	19th	288·2	*287·8*	—0·4	0	— 17
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·5	1016·4	+ 0·2	292·4	297·3	1st	284·0	281·5	19th	288·2	*287·8*	—1·1	1	— 7
1222*a*	Santiago	33 27	70 42	520	955·2	1015·2	+ 0·6	297·7	304·1	10th	282·0	278·0	28th	289·9	*288·7*	—0·4	1	— 5
1223	Cordoba	31 25	64 12	423	963·6	1011·7	+ 0·9	301·9	307·6	..	286·3	279·7	..	294·1	293·9	+0·7	89	— 12
1224	Bahia Blanca	38 45	62 15	25	1010·2	1013·2	+ 0·7	299·0	306·9	5th	286·8	279·5	1st	292·9	292·7	+1·1	111	+ 59
1225																		
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1011·5	1014·4	+ 0·8	298·0	303·1	26th	287·3	277·1	1st	292·7	292·8	+1·0	56	— 24
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1012·3	— 0·9	294·8	303·0	5th	288·9	284·3	3rd	291·8	*292·2*	+0·9	77	— 11
1227	Porto Alegre	30 2	W51 13	23·5	1009·0	1011·7	— 1·2	299·9	303·6	27th	289·1	280·5	3rd	294·5	294·2	—0·1	26	— 47
1239	Cape Town	33 56	E 18 29	12·2	..	1015·2	— 0·6	296·7	306·9	27th	286·3	281·9	14th	291·5	*290·4*	+0·5	11	— 16
1240	Danger Point	34 37	19 18	27·7	1011·9	1015·2	..	292·9	300·2	8th	286·6	284·1	6th	289·7	..	0·0	164	+122
1241	Riversdale	34 6	21 16	30·5	1003·3	1006·9	..	296·4	307·4	27th	285·8	280·8	24th	291·1	..	..	56	+ 21
1242	East London	33 0	27 55	44·8	..	1014·4	— 0·7	295·2	299·1	10th, 17th	288·6	284·1	26th	291·9	..	+0·1	443	+378
1259	Perth (Observatory)	31 57	115 51	60·0	1007·1	1014·5	— 1·0	297·3	309·0	9th	286·8	281·4	21st	292·1	*291·8*	+0·2	30	+ 10
1260	Katanning	33 42	117 35	310	977·4	1013·8	— 1·0	298·0	307·6	10th	282·8	277·4	6th	290·4	..	—0·2	30	+ 13
1261	Coolgardie	30 57	121 10	423	963·6	1011·4	— 1·5	304·6	312·0	1st	287·4	280·9	5th	296·0	*295·8*	+1·5	6	— 11
1262	Eucla	31 45	128 58	4·6	1012·3	1012·9	— 1·7	298·4	317·2	13th	287·7	276·9	6th	293·1	*292·5*	+1·3	10	— 8
1263	Streaky Bay	32 48	134 13	13·1	..	1014·1	— 1·3	301·9	314·4	28th, 29th	286·6	281·3	22nd	294·2	*293·4*	+1·8	1	— 16
1264	Adelaide	34 56	138 35	42·7	1009·1	1014·0	— 1·0	301·0	315·9	30th	286·6	279·9	4th	293·8	*293·3*	+1·4	2	— 27
1265	Melbourne	37 49	144 58	35·1	1008·7	1012·8	— 1·4	295·0	308·3	13th	283·1	276·7	4th	289·1	*288·9*	—0·2	27	— 29
1266	Bourke	30 13	145 58	110	1002·3	1014·9	— 0·4	308·9	316·3	20th	290·7	283·0	8th	299·8	..	+1·5	0	— 32
1267	Sydney	33 51	151 13	42·1	1006·6	1011·6	— 2·0	298·4	310·4	14th	288·3	284·0	12th	293·3	..	+0·8	9	— 62
1268	Lord Howe Island	31 20	159 0	4·6	1014·0	1014·6	— 1·2	297·1	298·9	21st	290·1	286·3	28th	293·6	..	+0·8	55	— 51
1271	Auckland	36 50	174 50	38·1	..	1011·1	— 3·7	292·5	296·6	27th	285·4	281·3	12th	288·9	..	+0·2	93	+ 10
1272	Napier	39 32 S.	176 53 E.	21·3	..	1008·3	— 3·7	295·7	303·3	16th	283·4	278·0	8th	289·6	..	+0·7	20	— 33

NOVEMBER—ZONE 13.

Between Latitude 40° S. and 50° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1311	Chatham Island	43 52	176 42	45·7	..	1005·2	..	..	..	..	..	..	..	..	..	..	35	— 35
1321	Isla Guafo	43 34	74 45	140	1001·0	1018·0	+ 1·8	285·6	288·5	18th	280·9	278·2	8th	283·3	*282·9*	+0·4	44	— 21
1322	Punta Galera	40 1	73 44	40	1013·8	1018·7	+ 1·1	286·6	290·8	18th	281·6	280·0	6th, 15th	284·1	*284·5*	—0·4	53	— 54
1323	Sarmiento	45 30	69 0	274	977·2	1013·1	+ 4·1	296·2	306·6	12th	278·6	277·2	30th	287·4	288·7	+2·0	7	+ 1
1324	Punta Madryn	42 49	W64 58	14	1011·2	1012·8	+ 2·7	296·3	304·4	12th	283·9	273·0	30th	290·1	290·3	+1·4	15	+ 6
1365	Launceston	41 27	E147 10	10·1	1006·6	1007·7	— 3·0	293·7	300·1	29th	280·6	276·2	4th	287·1	*286·3*	—0·4	13	— 33
1366	Hobart	42 53	147 20	53·9	1000·9	1007·4	— 1·7	291·7	304·7	20th	281·4	276·8	4th	286·6	*285·8*	—0·4	21	— 43
1370	Invercargill	46 25	168 21	3·7	..	..	..	289·9	294·7	22nd, 27th	280·6	275·2	15th	285·2	..	+0·6	139	+ 27
1371	Dunedin	45 52	170 31	91·4	..	1004·1	— 4·9	289·2	296·9	25th	280·8	275·8	14th	285·0	..	+0·2	126	+ 42
1371*a*	Christchurch	43 31	172 39	7·6	..	1003·9	— 4·6	291·7	298·3	26th	280·8	275·3	7th	286·2	..	—0·4	82	+ 35
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1007·4	— 4·0	290·7	295·1	28th	284·1	277·9	15th	287·4	..	+0·6	138	+ 49
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 113.

NOVEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		S.	W.															
1421	Islota de los Evangelistas	52 24	75 6	55	994·3	1001·0	— 0·9	280·7	282·0	16th	276·9	275·0	2nd	278·8	*278·8*	—0·4	335	+ 84
1422	Puerto de Punta Arenas	53 10	70 54	28	996·7	1000·1	— 0·4	285·6	290·0	24th	278·2	274·0	3rd	281·9	*282·4*	+1·0	25	— 31
1423	Punta Dungeness	52 24	68 26	5	999·9	1000·5	+ 1·6	285·9	291·3	15th	278·6	276·0	4th	282·3	*282·0*	+0·5	12	— 33
1424	Santa Cruz	50 11	68 21	12	1001·5	1002·4	— 1·0	293·1	299·6	11th	280·4	274·2	6th	286·7	286·4	+1·7	9	— 35
1424*a*	Año Nuevo ‡	54 39	64 8	50	..	..	..	283·2	286·3	7th	275·6	273·0	4th, 6th	279·4	*278·9*	0·0	40	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1003·3	..	285·8	291·3	3rd, 9th	277·8	273·0	4th	281·8	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1000·6	1003·2	+ 4·0	283·9	292·7	12th	277·7	273·6	4th	280·8	281·0	+1·2	..	..
1429	S. Georgia(Cumberland Bay)	54 14	36 33	4	998·6	999·1	+ 5·5	281·7	289·0	12th	274·1	270·6	23rd	277·9	*278·0*	+2·0	87	+ 1
		S.	W.															

NOVEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		S.	W.															
1527	South Orkneys.	60 44	44 39	7	986·7	987·6	— 1·5	274·8	281·0	16th	270·9	267·9	4th	272·9	272·6	+1·8	37	+ 2
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡*See* "Remarks" page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—NOVEMBER 1922.

Date	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island 805. Direction and Force (Beaufort).*	Sierra Leone. 834. Direction and Force (Beaufort).		Entebbe. 844. Direction and Force (Beaufort).		Malden Island. 905. Direction and Force (Beaufort).		Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and (Force (Beaufort).		Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h.	17h.	7h.	21h.	9h.	20h.	9h.	8h.	20h.	9h.
1	SE	6·3	ESE 4	NNE 1	SW 1	NE 2	N 1	EbyN 3	EbyN 2	NW 2	E 3	E 4	NNE 2
2	SE	6·0	SE 3	ENE 2	Calm 0	S 1	S 3	EbyN 2	EbyN 2	Calm 0	E 3	E 3	E 3
3	SE	7·8	SE 4	Calm 0	SW 3	N 2	S 1	E 5	E 4	NW 2	E 3	E 5	SE 3
4	SE	9·4	SE 4	ENE 1	SW 2	N 2	S 1	EbyN 5	E 4	Calm 0	E 3	E 2	E 4
5	SE	7·6	ESE 4	SW 1	SW 2	W 1	S 1	E 5	NE 4	..	E 3	E 2	ENE 3
6	SE	6·0	ESE 3	Calm 0	SW 1	W 1	N 1	ENE 5	E 4	NW 2	E 3	E 3	SE 4
7	SE	4·6	ESE 2	Calm 0	SW 2	E 1	S 1	ENE 5	E 5	Calm 0	E 1	E 1	SE 4
8	SE	6·1	ESE 3	NNE ?	Calm 0	N 1	N 1	E 5	ENE 3	NW 2	E 1	E 2	SE 3
9	SE	6·8	ESE 4	Calm 0	Calm 0	NE 1	S 1	E 6	ENE 4	Calm 0	E 2	E 2	S 4
10	SE	7·0	SE 3	Calm 0	Calm 0	W 1	N 2	ENE 4	EbyN 5	Calm 0	E 2	E 2	E 4
11	SE	9·2	SE 2	Calm 0	Calm 0	S 1	N 1	EbyN 5	NE 3	NW 2	E 2	E 3	SE 4
12	SE	10·0	SE 2	Calm 0	Calm 0	N 1	N 1	NE 5	ENE 3	..	E 3	E 4	NE 3
13	SE	8·5	SE 3	NE 1	SW 2	S 2	W 1	E 4	EbyN 5	NW 2	E 2	E 2	S 4
14	SE	7·8	SE 2	ESE 1	Calm 0	W 1	N 1	EbyN 4	NE 3	Calm 0	NE 2	NE 2	SE 5
15	SE	6·4	ESE 3	Calm 0	Calm 0	NW 1	S 1	ENE 5	E 5	Calm 0	NE 2	NE 2	SE 5
16	SE	5·7	SE 3	Calm 0	Calm 0	S 2	S 1	E 5	E 4	Calm 0	NNE 2	NE 2	NW 3
17	SE	5·9	ESE 2	Calm 0	Calm 0	E 1	N 1	EbyN 5	ENE 4	Calm 0	NE 2	Calm 0	N 5
18	SE	9·3	ESE 1	Calm 0	Calm 0	SW 1	E 1	NE 4	NE 1	..	N 2	W 3	S 2
19	SE	11·3	SE 2	NE 2	SW 1	NE 1	E 1	NE 5	NE 1	..	WNW 3	SW 3	Calm 0
20	SE	12·6	SE 3	Calm 0	Calm 0	W 1	S 1	NNE 3	NE 2	NW 2	WNW 4	WNW 3	S 2
21	SE	12·8	SE 2	Calm 0	SW 2	NE 1	S 1	NbyE 3	NE 4	Calm 0	N 2	N 1	S 2
22	SE	13·8	ENE 1	Calm 0	Calm 0	E 1	S 1	NE 3	NE 2	Calm 0	SW 2	SW 3	SE 2
23	SE	13·7	E 3	Calm 0	Calm 0	N 2	S 2	ENE 4	Calm 0	Calm 0	WSW 6	WSW 3	NE 3
24	SE	8·2	ESE 3	Calm 0	Calm 0	SE 1	S 1	E 5	EbyS 3	..	WSW 2	WSW 2	NE 0
25	SSE	5·3	E 3	Calm 0	SW 2	E 1	S 2	EbyN 4	NE 3	SE 2	WSW 1	WSW 2	NE 5
26	SE	3·5	SE 1	Calm 0	SW 1	E 2	S 1	ENE 4	ENE 3	..	NNW 2	NE 2	E 4
27	SE	3·8	Calm 0	NE 2	SW 2	N 1	S 2	NE 4	Calm 0	SE 2	SE 2	SE 2	NE 4
28	SE	4·6	ESE 2	SE 1	Calm 0	N 1	S 1	ENE 4	Calm 0	SE 2	SE 1	E 1	N 5
29	SE	5·8	SE 2	SW 2	SW 2	N 1	S 1	E 3	E 2	SE 2	SSE 1	ESE 1	N 2
30	SE	5·8	SE 2	SE 1	Calm 0	N 2	S 1	NE 4	NE 2	Calm 0	E 2	E 3	3·7
Mean	..	7·7	2·5	0·5	0·8	1·3	1·2	4·3	2·9	0·9	2·3	2·3	
§Resultant	135° (98)	..	125° (90)	205° (15)		140° (8)		70° (87)		315° (12)	85° (45)		95° (52)
§Normal	142° (93)	8·3	‖116 (76)	285 (8)		255° (36)		‖‖72° (82)		131° (52)	‖108° (36)		101° (63)

‖ Normal refers to ½ (9+21). ‖‖Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 609 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—NOVEMBER 1922

‡‡*Spitsbergen.*—Early in the month the fjords on the west coast began to freeze over; the ice, however, broke up now and again. Wijde Bay was open.

‡‡*Greenland Sea and Denmark Strait.*—At first the "Storis" formed a broad belt some distance from the coast off Angmagsalik. From the 6th no ice was visible. On the 15th a narrow belt of ice appeared, and, as it grew wider during the month, it was possibly the first ice of the new season.

‡‡*N. Atlantic and Labrador.*—Twenty-one icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 4; the southmost occurred in 45°N. In Belle Isle Strait a few icebergs were observed.

‡‡*Davis Strait.*—"Storis" was observed for a few days under Cape Farewell, and in the southern part of Julianehaab Bay there was scattered "Storis," which for some days reached to 50 miles offshore. A belt of scattered ice reached from Nunarsuit to Frederikshaab where it lay against the coast. Icebergs were numerous from Cape Farewell to Fiskernaes, to the north of which, the west coast was free of ice.

‡‡ *Isforholdene i de Arktiske Have*, 1922 and 1923, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, DECEMBER 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE MONTH OF DECEMBER 1922 BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **DECEMBER—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
105	Barrow	71 23	156 17	6·1	..	1023·7	..	255·2	271·9	4th	248·7	234·1	30th	252·0	..	+5·2	12	+ 1
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
125	Upernivik	72 47	56 7	18·9	999·1	1001·6	— 4·7	263·7	273·8	21st	257·2	248·7	31st	260·5	*260·0*	+4·0	42	+ 29
135	Jan Mayen	70 59	W 8 18	23·1	1001·3	1004·2	..	..	275·3	24th	268·9	263·5	31st	..	*270·3*	..	22	..
139	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1007·9	1009·4	— 0·5	..	272·1	20th, 21st	254·6	243·0	26th	..	257·6	0·0	42	+ 3
140	Björnöen	74 28	19 15	40·5	1001·6	1006·8	..	..	..	..	261·7	..	..	..	*264·7*	..	*4*	..
141	Gjesvaer	71 6	25 22	6·5	1000·2	1001·0	— 2·8	..	273·9	3rd	267·3	262·8	12th	..	*269·4*	—0·4	71	+ 6
142	Mehavn	71 1	27 47	4·6	1000·0	1000·6	— 4·3	..	272·6	3rd	265·8	258·4	23rd	..	*268·4*	—0·4	176	+ 91
143	Vardö	70 22	31 8	6·8	999·4	1000·3	— 4·7	..	273·6	24th	265·9	259·0	23rd	..	*268·7*	+0·1	86	+ 22
147	Malye Karmakouly	72 23	52 43	14·8	1000·0	1001·9	— 7·9	262·3	270·0	5th	255·7	245·2	27th	259·0	*258·9*	+0·2	77	+ 67
148	Waigatz	70 24	58 47	11·2	999·9	1001·4	— 7·2	262·3	269·7	30th	254·2	236·2	28th	258·2	*258·5*	..	5	..
153	Dickson	73 30	80 23	13	1006·0	1007·8	..	255·8	266·7	13th	248·3	239·1	25th	252·0	..	..	8	..
		N.	E.															

Between Latitude 70° N. and 60° N. **DECEMBER—ZONE 2.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
		N.	W.															
203	Nome	64 30	165 24	6·7	..	1010·8	+ 2·7	266·4	274·7	5th, 6th	260·0	237·4	30th	263·2	*263·2*	+4·8	36	+ 8
204	Candle	65 55	161 57	2·4	..	..	..	262·9	274·7	3rd	254·0	234·1	31st	258·4	..	+5·2	2	..
205	Tanana	65 10	152 6	67·1	..	1017·9	+ 4·2	256·4	269·1	2nd	249·3	233·6	30th	252·8	..	+3·9	3	— 15
206	Rampart	65 30	150 15	122	..	..	..	252·9	267·4	1st, 2nd	245·7	228·0	31st	249·3	..	+1·2	4	— 13
207	Valdez	61 7	146 16	8·2	..	1012·2	+ 8·0	267·9	275·2	8th	260·5	249·7	31st	264·2	*264·3*	—1·6	36	—107
208	Eagle	64 46	141 12	254	..	1023·0	+ 8·5	251·9	265·2	1st	244·7	230·8	29th, 31st	248·3	*248·3*	—1·0	8	— 4
209	Dawson	64 4	139 20	328	982·2	1027·7	+14·5	249·1	259·7	24th, 25th	244·1	230·8	16th	246·6	..	—1·3	13	— 15
211	Carcross	60 11	134 34	662	..	..	..	252·6	271·9	27th	246·7	233·0	31st	249·7	..	—9·2	3	— 15
212	Fort Good Hope	66 15	128 31	65·2	1017·9	1027·4	..	251·7	266·9	5th	242·2	231·3	27th	246·9	..	..	15	— 5
213	Fort Simpson	61 52	121 35	59·4	..	..	..	255·4	264·7	6, 7, 12	246·3	235·2	17th	250·8	..	+2·2	57	+ 34
215	Hay River	60 51	115 57	161	997·3	1019·3	+ 3·1	253·8	264·7	6th	245·9	235·2	30th	249·8	..	—2·2	20	+ 6
226	Jacobshavn	69 13	51 2	12·6	996·6	998·2	— 5·6	267·9	277·0	15th	260·6	255·6	14th	264·3	*264·3*	+4·3	7	— 6
227	Godthaab	64 11	51 43	9·0	991·1	992·3	— 7·3	269·4	276·7	7th, 8th	264·4	260·4	22, 24, 26	266·9	*267·1*	+2·0	13	— 27
229	Ivigtut	61 12	48 10	13·0	991·5	993·2	— 5·9	271·1	280·8	7th	265·7	257·7	24th	268·4	*268·4*	+1·7	117	+ 39
	Angmagsalik	65 37	37 33	31·7	992·7	996·7	— 2·7	271·6	276·8	8th, 9th	266·2	258·1	31st	268·9	*269·1*	+3·4	156	+ 84
231	Stykkisholm	65 5	22 46	25	993·8	996·9	— 1·9	277·0	282·0	8th	273·2	267·3	31st	275·1	*274·9*	+3·2	53	— 12
232	Vestmanno	63 24	20 17	132	979·6	995·7	— 1·3	280·3	283·2	2nd	274·3	269·2	31st	277·3	*276·1*	+2·5	171	+ 32
233	Grimsey	66 33	18 1	22·0	996·2	998·9	— 1·9	275·8	279·7	10th	272·7	267·8	31st	274·3	*274·2*	+2·5	..	..
234	Akureyri	65 40	18 5	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	995·8	998·0	— 1·9	276·9	281·2	2nd	273·0	266·8	31st	274·9	*274·5*	+2·0	80	— 57
236	Thorshavn	62 3	6 45	26·3	994·3	997·5	— 4·5	279·3	283·2	12th	275·8	272·0	25th	277·5	*277·9*	+1·2	156	— 12
	Lerwick	60 9	W 1 11	46·9	994·5	1000·3	— 3·9	279·8	284·7	13th	276·7	273·0	6th	278·3	*278·4*	+0·8	97	— 25
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	996·4	1001·9	— 7·1	280·0	283·3	13th	274·9	268·7	18th	277·5	*276·6*	+1·6	187	+ 6
238	Ålesund	62 28	6 10	6·3	1000·4	1001·2	— 5·4	..	283·0	13th	275·0	269·9	18th	..	*277·3*	+1·3	120	— 6
239	Trondhjem	63 26	10 25	39·5	996·5	1001·4	— 6·1	276·3	280·6	24th	272·0	268·1	3rd	274·1	*274·3*	+3·7	157	+ 96
240	Bodö	67 17	14 24	22·3	998·2	1001·0	— 3·9	..	276·2	25th	267·8	263·8	8th	..	*271·0*	—0·3	77	— 1
241	Haparanda	65 50	24 9	9·2	1002·7	1003·9	— 6·0	265·5	273·7	26th, 27th	257·4	248·0	1st	261·5	*261·6*	—1·8	45	+ 10
242	Helsingfors	60 10	24 57	11·7	1005·9	1007·4	— 4·7	272·0	278·1	14th	266·0	255·8	20th	269·0	269·3	+0·2	38	— 13
242*a*	Kuopio	62 54	27 40	90·3	993·8	1005·4	— 6·1	268·2	275·0	26th	261·9	250·2	9th	265·0	*265·2*	—0·2	43	— 4
243	Kola	68 53	33 1	6·7	1000·8	1001·7	— 6·8	265·0	270·8	20th	256·7	240·8	14th	260·8	*261·2*	—1·3	49	+ 32
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1002·4	1003·2	— 7·9	266·7	273·7	..	259·4	246·1	8th	263·0	*263·4*	+1·7	53	+ 29
246	Mezen	65 50	44 16	14·9	1000·3	1002·2	— 8·3	265·2	273·2	25th	258·3	246·3	20th	261·8	*262·2*	+1·7	43	+ 33
247	Oust-Tsylma	65 25	52 18	? 68	994·2	1003·1	— 9·9	262·9	271·6	30th	256·4	245·6	5th	259·6	*259·7*	+1·5	32	+ 10
248	Tcherdyn	60 24	56 31	?177	985·8	1008·7	— 8·5	265·3	273·3	26th	259·7	247·9	8th	262·5	*262·6*	+6·2	66	+ 30
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
252	Sourgout	61 15	73 24	? 40	1009·2	1014·6	— 4·9	..	271·1	4th	250·6	229·1	25th	..	*255·9*	+3·4	28	+ 7
253	Doudinka	69 23	86 4	20	1012·0	1014·7	— 3·5	..	265·5	2nd	246·9	230·2	26th	..	*250·9*	+5·3	3	— 4
254	Touroukhansk	65 47	87 57	? 45	1013·8	1020·0	0·0	..	268·5	5th	244·6	217·5	28th	..	*250·2*	+5·0	16	+ 3
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	225·5	..	..	*242·7*	+6·9	10	0
262	Iakoutsk	62 1	129 43	98	1010·4	1024·6	— 0·6	..	252·5	25th	235·8	223·0	7th	..	*239·6*	+6·3	8	— 2
263	Verkhoiansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
271																		
272																		
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	995·6	— 6·1	277·7	280·8	11th	274·4	265·2	26th	276·1	*275·9*	+3·0	397	+ 224
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	270·7	275·8	22nd, 23rd	265·7	250·2	30th	268·2	..	+5·0	38	+ 11
306	Kodiak (Radio)	57 46	152 22	6·1	..	1007·4	+ 5·7	276·3	282·4	22nd	271·8	264·1	31st	274·1	*274·2*	+1·9	75	— 69
										Sea Temp.							
307	55°—50°N. 150°—145°W.	††51 16	††147 21	§(25)	..	1009·5	+ 5·1	..	..	279·1 | +1·1	..	..	..	..	278·0	+0·6	..	..
309	Sitka	57 3	135 19	27·4	..	1010·5	+ 2·7	276·4	281·9	7th	269·7	263·6	9th	273·0	*272·8*	—1·9	105	— 125
310	Prince Rupert	54 18	130 18	51·8	1003·7	1010·2	+ 0·7	276·3	284·1	20th	270·8	261·9	10th	273·6	*273·7*	—1·5	259	— 62
311	Barkerville	53 2	121 35	1274	862·0	1016·0	+ 0·2	265·2	275·8	21st	258·6	242·4	11th	261·9	*261·6*	—4·3	95	+ 6
312	Kamloops	50 42	120 29	385	974·1	1023·5	+ 0·9	267·4	280·8	27th	263·0	245·8	12, 14, 15	265·2	*265·3*	—5·6	30	+ 5
313	Calgary	51 2	114 2	1045	890·5	1019·8	+ 2·7	268·6	285·2	27th	254·1	238·6	11th	261·3	*260·7*	—4·7	7	— 5
314	Fort Chipewyan	58 42	111 10	218	988·1	1018·6	+ 1·8	253·7	263·6	27th, 28th	245·5	230·2	10th	249·6	*249·5*	—6·3	15	— 3
315	Prince Albert	53 10	105 38	442	961·9	1020·2	+ 1·7	260·2	276·3	22nd	251·9	238·6	18th	256·1	*255·8*	—2·3	10	+ 2
316	Qu'Appelle	50 30	103 47	645	935·5	1019·0	+ 0·4	261·3	277·4	28th	251·9	238·6	17th, 18th	256·6	*256·2*	—3·5	27	+ 22
317	Minnedosa	50 15	99 50	515	951·9	1019·6	+ 0·4	259·1	272·4	25th	250·8	236·3	18th	254·9	*254·7*	—4·8	15	— 6
318	Berens River	52 18	97 23	216	..	..	..	..	..	..	..	..	..	..	..	..	..	..
318a	Port Nelson	57 4	92 36	14·9	1009·2	1011·2	— 4·7	246·9	263·0	29th	239·1	231·3	12th	243·0	..	—7·2	..	..
319	Fort Hope	51 33	87 49	‡260	982·6	1018·0	+ 0·7	255·2	271·9	31st	244·7	235·8	24th	249·9	*249·7*	—5·4	53	+ 26
320	Moose Factory	51 14	80 30	9·1	1015·6	1016·9	+ 1·3	258·1	273·0	31st	245·9	235·8	19th	252·0	..	—6·2	89	+ 62
321	Fort George	53 50	79 5	97·5	..	..	..	254·7	268·0	30th	245·8	234·7	17th, 18th	250·3	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	259·9	275·2	1st	245·6	241·9	19th	252·7	..	—4·0	33	— 34
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	262·6	274·1	13th	251·7	243·6	20th	257·1	..	—5·6	51	— 19
										13th								
326	Belle Isle	51 53	55 23	133	990·1	1007·6	+ 0·7	261·4	273·0	Sea Temp.	255·0	244·1	20th	258·2	*258·6*	—4·7	..	..
333	53°—48° N. 20°—15° W.	††50 54	††17 28	§ (31—33)	..	1015·4	..	..	..	284·9 | +0·4	..	..	..	..	283·1	..	..	..
333a	62°—57°N. 20°—15°W.	††57 25	††17 15	§ (12)	..	..	..	..	..	282·2 | +0·3	..	..	..	..	278·6	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1007·0	1008·7	— 2·0	282·5	285·8	13th	278·6	275·2	16th	280·6	280·0	+0·4	159	— 24
335	Aberdeen	57 10	W 2 6	26·8	999·1	1002·4	— 4·7	280·3	286·3	5th	276·0	271·3	16th	278·2	278·3	+1·3	58	+ 19
336	Greenwich	51 28	0 0	46·3	1005·4	1011·0	— 2·4	281·3	283·6	13th	276·8	268·6	9th	279·0	279·1	+1·4	73	— 14
337	Uccle	50 48	E 4 22	100	1000·8	1013·1	— 3·6	280·0	284·6	30th	275·4	270·0	9th	277·7	277·6	+1·7	62	— 24
338	De Bilt	52 6	5 11	3·0	1010·8	1011·2	— 3·5	279·9	282·7	1st	275·2	269·8	9th	277·5	277·6	+2·1	48	— 8
338a	Hamburg	53 33	9 58	40·3	1005·0	1010·0	— 3·8	278·9	282·0	30th	275·2	267·6	10th	277·1	276·8	+2·4	50	— 6
339	Copenhagen (Meteor. Inst.)‡	55 41	12 36	5·0	1007·4	1008·0	— 5·3	278·1	281·9	5th	274·7	267·2	10th	276·4	*276·4*	+2·5	50	— 24
340	Potsdam	52 23	13 4	84·9	1001·7	1012·3	— 3·1	277·4	283·3	30th	273·2	262·5	10th	275·3	275·2	+1·5	60	— 19
340a	Uppsala	59 51	17 38	24	1003·2	1006·2	— 5·0	273·5	278·9	13th	268·5	254·4	9th	271·0	271·3	+1·9	30	— 21
341	Warsaw	52 13	21 1	133	996·4	1013·1	— 4·5	275·5	280·4	31st	271·2	264·0	4th	273·3	273·7	+3·0	35	— 7
342	Tartu (Dorpat)	58 23	26 43	74·5	999·9	1009·4	— 3·6	271·1	276·6	14th	266·3	259·0	22nd	268·7	268·8	+0·7	32	— 7
343	Petrograd	59 56	30 16	4·8	1007·2	1007·8	— 5·1	269·9	276·2	14th	264·7	255·4	10th	267·3	*267·4*	+0·2	39	+ 7
344	Kiiv	50 27	30 30	183	992·0	1015·0	— 3·7	273·1	276·4	22nd	269·2	259·8	2nd	271·1	*271·3*	+1·8	65	— 14
344a	Moscow	55 50	37 33	167	990·7	1012·1	— 5·5	269·1	276·0	14th	263·3	252·6	22nd	266·2	*266·5*	+1·5	26	— 15
345	Saratov	51 33	45 57	?122	1001·4	1017·2	— 4·3	270·4	275·1	15th	262·6	250·4	4th	266·5	*267·0*	+1·9	28	— 15
346	Kazan	55 47	49 8	79·9	1004·0	1014·3	— 6·8	268·8	276·0	9th	262·4	252·5	24th	265·6	*265·5*	+2·8	37	— 15
347	Orenburg	51 45	55 6	109	1007·2	1021·5	— 4·7	..	..	..	261·1	248·9	24th	..	*264·6*	+3·0	14	— 18
348	Perm	58 1	56 16	163	992·2	1013·2	— 8·0	267·3	273·6	26th	261·5	255·0	6th	264·4	*264·7*	+4·7	60	— 5
349	Sverdlovsk	56 50	60 38	281	979·0	1015·0	— 6·3	267·3	272·9	27th	261·9	251·0	6th	264·6	*264·6*	+4·3	6	— 5
350	Tobolsk	58 12	68 14	108	1002·4	1016·6	— 5·4	266·0	273·0	3rd	257·9	248·6	15th	262·0	*262·3*	+5·5	23	— 9
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1007·9	1022·1	— 2·4	..	..	27th	..	..	..	..	..	..	..	..
353	Barnaoul	53 20	83 48	162	1007·1	1028·5	— 0·7	267·4	275·2	17th	258·9	249·5	21st	..	*262·7*	+6·1	9	— 35
354	Tomsk	56 30	84 58	122	1009·4	1025·8	— 0·4	..	274·3	18th	257·9	242·8	20th	262·6	*262·6*	+4·3	61	— 32
355	Minousinsk	53 43	91 41	248	998·8	1032·2	+ 0·3	..	269·5	27th	253·6	232·7	29th	..	*259·2*	+3·1	39	— 5
356	Eniseisk	58 27	92 10	77·6	1016·6	1027·2	+ 0·7	..	270·2	3rd	251·4	241·4	30th	..	*255·9*	+0·3	3	— 1
357	Irkutsk	52 16	104 19	467	970·8	1033·2	+ 1·6	259·4	264·7	..	251·1	223·7	30th	..	*255·8*	+2·8	26	— 13
358	Kirensk	57 47	108 7	263	995·1	1031·2	+ 1·5	..	268·0	5th	249·6	231·6	31st	254·5	*254·5*	+0·1	5	— 34
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	247·2	227·7	31st	..	*251·0*	+3·9	11	— 2
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	971·8	1022·5	— 3·2	258·3	265·6	9th	248·0	237·0	29th	253·2	*253·5*	+6·8	4	— 2
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	1000·7	1019·9	— 3·2	258·4	267·9	5th	249·0	240·9	29th	253·7	*253·5*	+2·3	2	— 1
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	267·4	273·0	18th, 20th	262·7	253·5	29th	265·0	*264·7*	—0·6	31	— 47

		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1005·1	1013·9	— 2·8	277·4	285·8	27th	274·1	266·9	11th	275·8	275·7	—2·3	182	+ 36
412	Portland, Oregon	45 32	122 41	46·6	1011·2	1016·6	— 2·3	278·8	289·1	23rd	273·9	265·2	14th	276·3	*276·2*	—1·7	240	+ 64
413																		
414	Macleod	49 44	113 24	953	..	..	..	265·6	284·1	24th	256·5	229·7	14th	261·1	*261·1*	—7·6	17	+ 3
414a	Helena	46 34	112 4	1253	871·3	1019·3	— 2·0	270·3	285·2	23rd	260·4	242·4	12th	265·3	*265·0*	—3·6	28	+ 8
415	Salt Lake City	40 46	111 54	1329	868·9	1020·0	— 1·2	276·6	283·0	6th	270·7	264·7	17th	273·6	*274·1*	+0·8	74	+ 39
416	Cheyenne	41 8	104 48	1856	809·1	1016·6	— 1·6	276·9	284·1	6th	266·3	254·7	14th	271·6	*271·9*	+0·8	11	— 1
416a	North Platte	41 8	100 45	859	917·2	1020·3	— 0·5	277·8	289·7	24th	263·5	251·9	12th	270·7	*269·8*	+0·6	0	— 14
417	Bismarck	46 47	100 38	511	956·0	1020·0	— 0·2	267·5	280·2	24th	257·4	243·6	9th	262·4	*261·9*	—1·7	24	+ 9
418	Winnipeg	49 53	97 7	232	988·7	1019·7	+ 1·0	260·8	275·2	25th	253·0	240·8	18th	256·9	*256·7*	—1·5	35	+ 11
	Duluth	46 47	92 6	345	973·8	1017·3	— 0·3	266·1	277·4	25th	257·4	245·2	17th	261·8	*262·2*	—2·0	23	— 7
419	Port Arthur	48 27	89 12	196	991·7	1017·3	0·0	266·3	277·4	1st	256·3	240·2	19th	261·3	*260·9*	—1·6	35	+ 14
420	Chicago	41 53	87 37	251	988·4	1019·6	+ 0·8	276·0	287·4	1st	267·7	253·6	18th	271·8	*272·2*	—0·3	31	— 22
421	Toronto	43 40	79 24	116	1004·7	1019·5	+ 1·9	274·1	288·6	1st	267·4	259·1	18th	270·8	270·9	+0·5	44	— 19
422	New York (Central Park)	40 47	73 58	47·4	1015·0	1021·0	+ 2·6	277·2	286·9	1st	270·6	261·9	30th	273·9	273·9	—0·3	98	+ 10
423	St. John, N.B.	45 17	66 4	36·2	1013·4	1018·1	+ 4·0	271·3	280·2	12th	261·9	247·4	20th	266·6	266·6	—2·2	128	+ 22
424	S.W. Point, Anticosti	49 24	63 33	9·1	1014·0	1015·2	+ 4·3	267·3	275·2	2nd	259·2	249·7	20th	263·3	*263·3*	—3·1	52	— 6
424a	Sable Island (Main Station)	43 57	60 6	7·6	1013·8	1014·8	+ 1·3	275·3	280·2	13th	269·2	260·8	20th	272·2	*272·2*	—2·6	96	— 42
425	Port aux Basques	47 35	59 10	9·1	1012·2	1013·4	+ 3·5	270·2	277·4	2nd, 13th	264·1	257·4	20th, 30th	267·2	*267·1*	—3·6	176	+ 41
426	St. John's, Newfoundland	47 34	52 42	48·8	1004·2	1010·5	+ 1·9	270·2	279·7	23rd	264·1	256·3	20th, 31st	267·2	*267·3*	—4·1	112	— 25
										Sea Temp.							
430	50°—45°N. 35°—30°W.	††48 24	††32 30	§(21-23)	..	1004·3	..	..	..	286·0|—0·2	..	..	..	..	285·3	..	..	..
435	Madrid	40 24	3 41	667	943·4	1023·7	+ 2·5	281·1	285·4	7th	273·3	271·0	11th	277·2	*276·7*	—1·3	17	— 32
436	Nantes	47 15	W 1 34	36·5	1011·9	1016·4	— 0·5	282·0	285·0	18th, 29th	275·8	268·0	14th	278·9	278·9	+0·6	129	+ 34
437	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1009·8	1016·1	— 0·8	280·0	285·2	18th	275·3	268·6	15th	277·7	277·8	+1·4	56	+ 14
438	Marseille	43 18	5 23	75	..	1016·5	+ 0·7	284·5	287·8	18th	275·5	269·9	11th	280·0	*279·8*	—0·8	45	— 8
438a	Zurich	47 23	8 33	493	959·3	1019·7	0·0	276·5	281·8	19th, 30th	271·8	265·2	12th	274·2	273·9	+0·9	81	+ 5
439	Rome	41 54	12 27	45·5	1011·8	1017·2	+ 1·3	284·5	288·7	20th	277·1	271·4	17th	280·8	*280·5*	—0·7	74	— 24
440	Vienna	48 15	16 22	203	991·5	1016·8	— 2·0	276·2	284·1	31st	272·1	267·4	9th	274·1	274·2	+1·0	50	+ 4
440a	Budapest	47 31	19 2	130	1001·1	1017·5	— 1·2	275·6	282·6	31st	271·8	265·8	12th	273·7	*273·5*	+0·5	23	— 31
441	Sofia	42 42	23 20	550	953·7	1022·4	+ 2·5	271·2	276·7	27th	265·5	258·8	11th	268·3	*268·2*	—5·0	15	— 18
442	Bucharest	44 25	26 6	82	1008·4	1018·9	— 2·1	273·6	279·8	21st	266·9	259·0	12th	270·3	270·1	—2·3	21	— 19
443	Odessa (University)	46 29	30 46	65·3	1009·6	1017·9	— 2·2	275·3	279·9	9th	270·0	262·7	2nd	272·6	*273·4*	+0·4	18	— 12
444	Kharkiv (University)	50 0	36 14	140	998·8	1016·5	— 4·9	273·0	278·1	10th	268·9	254·0	3rd	271·0	*271·1*	+3·1	36	+ 1
444a	Novorossiisk	44 44	37 49	37·1	1014·3	1018·9	— 0·4	282·0	287·5	9th	276·1	269·5	13th	279·0	*279·5*	+1·4	67	— 19
445	Tiflis	41 43	44 48	404	972·6	1021·9	— 1·5	281·2	286·4	10th	272·6	267·6	29th	276·9	276·5	+0·7	1	— 21
446	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
447	Fort Alexandrovsk	44 31	50 7	— 23·0	1024·2	1021·4	— 0·7	278·2	284·6	1st	273·6	267·9	24th	275·9	276·8	+3·1	1	— 12
448	Krasnovodsk	40 0	52 59	— 5·9	1020·7	1020·0	— 2·2	283·0	290·5	1st	278·5	272·1	25th	280·8	*280·5*	+1·3	13	— 1
449	Kasalinsk	45 46	62 7	67	1016·2	1024·9	+ 0·5	..	..	..	264·9	249·8	27th	..	*267·6*	+1·4	26	+ 13
450	Tachkent	41 20	69 18	478	965·4	1023·6	— 2·4	283·3	294·2	3rd	274·1	261·5	31st	278·7	*277·9*	+2·4	23	— 14
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
451a	Alma Ata	43 16	76 53	841	924·2	1026·5	— 2·3	275·8	284·1	9th	266·8	258·1	26th	271·3	*271·0*	+3·0	27	— 5
452	Moukden	41 48	123 23	43·8	1019·7	1025·5	— 1·3	270·5	278·4	26th	258·4	253·1	31st	264·5	263·7	+0·7	1	— 4
453	Joshin	40 40	129 11	31·9	1015·5	1019·6	— 1·2	274·9	279·2	7th	265·0	256·9	31st	269·9	269·5	+0·3	8	— 29
454	Yuki	42 20	130 24	65·6	1011·0	1019·5	— 1·7	271·5	278·4	27th	263·6	254·3	31st	267·5	267·4	+0·8	1	— 10
455	Vladivostok	43 7	131 55	128	1002·7	1019·5	— 2·0	266·6	275·0	9th	259·7	253·2	31st	263·2	*263·0*	—0·2	2	— 11
456	Ochiai	47 20	142 47	27·4	1005·6	1009·2	— 2·2	268·0	272·8	12th	259·9	253·4	1st	263·9	264·5	+1·0	17	— 43
456a	Nemuro	43 20	145 35	26·7	1002·7	1006·1	— 5·0	273·9	277·0	10th	268·4	263·0	30th	271·1	271·5	0·0	35	— 23
	Syana	45 14	147 53	39·3	999·1	1004·1	— 4·8	272·5	275·6	31st	267·6	263·7	16th	270·1	270·4	—0·3	71	— 41

		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

Between Latitude 40° N. and 30° N.

DECEMBER—ZONE 5 (Western Half).

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
508	35°—30° N. 145°—140° W.	††30 47	††141 26	§(12)	..	1019·6	— 3·4	..	..	Sea Temp. 291·9|+0·6	..	..	..	..	291·3	+2·8	..	..
571	San Francisco	37 48	122 26	47·2	1013·9	1019·6	— 0·5	286·0	289·1	13th	280·7	278·0	23rd	283·3	*283·1*	0·0	197	+ 81
572	San Luis Obispo	35 18	120 39	61·3	1012·5	1020·0	0·0	290·5	296·9	24th	280·3	274·7	8th	285·4	*284·7*	+0·9	169	+ 72
573	San Diego	32 43	117 10	26·5	1015·7	1018·9	+ 1·0	291·2	296·3	21st	283·7	278·0	9th	287·4	*287·0*	+1·3	31	— 15
574	Modena	37 48	113 54	1670	834·2	1018·6	— 0·5	278·3	285·8	27th	269·1	260·2	30th	273·7	*273·4*	+3·4	15	— 1
575	Santa Fé	35 41	105 57	2138	786·6	1018·9	+ 0·1	279·3	283·6	23rd	268·9	261·9	31st	274·1	*273·7*	+2·2	5	— 14
576	Denver	39 45	105 0	1613	834·0	1015·6	— 2·2	281·2	290·8	24th	268·3	259·1	12th	274·7	*274·8*	+1·9	16	— 2
577	Abilene	32 23	99 40	530	956·3	1018·6	— 1·1	289·4	298·6	7th	276·0	265·2	19th	282·7	*281·8*	+2·2	5	— 25
578	Saint Louis	38 38	90 12	173	998·5	1019·6	— 0·3	280·3	292·4	4th	270·9	258·0	18th	275·6	*275·5*	+0·6	126	+ 62
579	Mobile	30 41	88 2	17·4	1017·7	1019·6	— 0·9	292·5	299·1	8th	284·7	275·8	29th	288·6	*288·6*	+4·4	231	+107
580	Nashville	36 10	86 47	166	1000·3	1020·6	— 0·6	285·7	296·3	8th	275·8	265·2	19th	280·8	*281·2*	+2·7	100	+ 60
581	Charleston	32 47	79 56	14·6	1019·0	1020·6	0·0	290·7	299·1	3rd	282·3	274·1	20th	286·5	*286·4*	+2·9	117	+ 44
582	Washington	38 54	77 3	34·1	1017·0	1021·3	+ 1·1	280·2	290·8	1st	272·1	264·7	20th	276·1	*276·0*	+0·7	88	+ 6
583	Bermuda	32 17	64 46	46·0	1017·6	1023·1	+ 4·4	294·7	297·4	16th	288·6	285·2	31st	291·6	*291·6*	+0·3	80	— 42
584	Santa Cruz (Flores)	39 27	31 9	40	1017·9	1022·4	+ 2·8	291·2	292·7	6, 12, 20	286·3	281·7	13th	288·8	*289·1*	+0·4	102	— 88
585	Horta	38 32	28 38	65	1015·9	1023·1	+ 2·4	290·1	293·0	7th	286·1	283·2	14th	288·1	288·5	—0·1	90	— 32
585a	Ponta Delgada	37 44	25 40	22	1021·3	1023·2	+ 1·7	290·9	292·1	11th	287·5	283·4	15th	289·2	289·0	+0·5	..	..
586	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..
587	Madeira (Funchal)	32 38	16 55	25	‡1022·3	‡1025·2	+ 3·6	292·1	294·1	2nd, 4th	286·6	284·7	16th	289·4	*289·2*	0·0	163	+ 38
587a	Lisbon	38 43	9 9	95	1010·8	1022·5	+ 2·0	286·7	289·9	9th	281·0	274·6	11th	283·9	283·6	—0·3	204	+122
588	Melilla	35 18	2 59	§	..	..	..	..	..	..	..	..	..	..	..	..	103	— 1
589	Gibraltar	36 6	5 21	16·2	1020·3	1022·2	+ 2·1	289·8	294·1	9th	283·4	279·7	29th	286·6	*286·5*	+0·3	..	..
590	Colomb-Béchar	31 36	2 4	769	932·6	1023·3	..	287·9	292·0	14th	274·4	272·6	15th	281·2	*280·0*	..	124	— 18
		N.	W.														2	..
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 108
†† Mean latitude and longitude of the observations. § Number of observations.

DECEMBER—ZONE 5 (Eastern Half). Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1016·3	1019·1	+ 0·9	286·3	289·0	19th, 20th	278·4	272·0	24th	282·4	..	−2·2	44	−12
538	Algiers (Bouzaréah)	36 48	3 2	342	979·2	1019·0	0·0	285·6	288·5	25th	280·7	276·9	10th	283·2	283·1	−0·9	142	+41
539	Tunis	36 48	10 10	21	1014·4	1016·9	..	288·4	293·7	2nd	280·3	274·7	16th	284·3	*283·8*	−0·5	24	−35
539*a*	Malta	35 54	14 31	56·4	..	1017·5	+ 1·2	287·6	290·2	1st	283·8	280·8	12th, 13th	285·7	*285·2*	−1·7	90	−34
540	Riposto	37 41	15 14	14·2	..	1019·3	+ 1·6	287·5	288·8	20th	281·7	278·5	11th	284·6	*284·1*	−1·3	55	−10
541	Athens	37 58	23 43	107	1004·3	1017·3	+ 0·2	286·2	289·8	27th	279·9	274·4	13th	283·0	282·6	−0·9	49	+40
542	Alexandria	31 12	29 53	32·0	1014·4	1018·3	+ 0·4	292·7	295·7	6th	?284·3	?281·4	13th	?288·5	*288·6*	−0·5	106	..
543	Nicosia (P.W.D.)	35 9	33 22	159	997·9	1016·8	− 1·0	288·8	293·0	10th	279·5	274·7	3rd	284·1	..	−0·5	58	−18
544	Beirut	33 54	35 28	33·7	..	1017·4	− 0·3	290·0	294·1	6th	285·4	282·0	3rd	287·7	*287·7*	−0·6	174	−11
545	Hinaidi (Baghdad)	33 17	44 29	32·3	..	1019·9	− 0·7	288·8	295·2	7th	277·6	273·1	28th	283·2	*282·7*	..	44	+1
546	Lenkoran	38 46	48 52	−20·0	1023·0	1020·6	− 1·8	..	..	..	277·1	273·0	29th	..	*279·9*	+0·5	100	..
547	Tehran	35 41	51 25	1220	..	..	..	..	..	..	..	..	..	..	..	..	..	..
548	Meshed	36 16	59 35	946	882·0	..	..	284·9	293·8	3rd	271·1	259·2	30th	278·0	..	+1·3	26	+6
549	Seistan	31 0	61 30	?	..	..	..	291·0	297·3	9th	275·6	270·4	25th	283·3	..	..	0	..
550	Quetta	30 11	67 3	1677	835·9	..	− 0·8	287·1	294·7	5th	270·7	265·8	25th, 26th	278·9	*278·4*	+0·2	23	0
551	Peshawar	34 2	71 37	339	980·0	1021·2	− 0·6	290·7	296·1	4th	277·7	273·4	31st	284·2	*283·0*	−0·5	13	+24
551*a*	Lahore	31 34	74 20	214	992·9	1018·9	− 0·6	293·4	299·0	5th	280·8	275·9	31st	287·1	*285·8*	+0·3	33	+2
552	Simla	31 7	77 8	2205	782·0	..	− 0·7	281·2	286·1	1st	275·8	271·1	23rd	278·5	*278·0*	−2·2	39	+3
552*a*	Leh	34 10	77 42	3503	665·3	..	− 1·5	273·4	280·5	6th	262·4	255·9	26th	267·9	*266·8*	−0·9	9	−35
559	Hankow	30 35	114 17	37·0	1023·8	1028·4	+ 0·2	285·5	290·5	11th	275·4	268·0	5th	280·5	*280·3*	+1·3	1	+1
560	Tientsin	39 10	117 10	5·0	1027·1	1027·7	− 0·4	277·0	282·7	8th	266·8	262·5	16th	271·9	*271·7*	+0·9	5	−31
561	Shanghai (Zi-Ka-Wei)	31 12	121 26	7	..	1026·9	+ 1·0	284·7	291·4	3rd	273·2	267·7	16th	278·9	277·8	−0·8	4	−31
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1016·0	1024·7	+ 0·1	274·2	282·0	9th	267·1	261·6	16th	270·6	270·4	−1·7	17	−23
562*a*	Nagasaki	32 44	129 52	133	1005·6	1022·0	0·0	283·1	287·8	28th	276·3	273·7	25th	279·7	279·5	−1·2	51	−24
563	Kyoto	35 1	135 44	42·9	1012·5	1017·9	− 1·6	283·2	286·2	27th	272·6	268·5	17th	277·9	276·7	−0·7	31	−45
564	Tokyo	35 41	139 46	5·8	1010·8	1011·5	− 4·9	282·9	286·5	2nd, 8th	271·7	268·2	17th	277·3	277·0	−1·2	10	−55
565	Kanayama	37 53	140 46	24·6	1008·9	1011·9	− 4·0	280·3	285·2	7th	271·3	267·8	30th	275·8	275·9	−0·1	5	+1
566	Miyako	39 38	141 59	30·4	1006·1	1009·9	− 4·7	280·6	285·4	27th	269·5	266·3	3rd	275·1	274·0	−1·2	64	..

DECEMBER—ZONE 6. Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island	28 15	177 22	5·8	..	1012·2	− 4·2	296·2	299·1	12th	289·4	283·6	29th	292·8	*292·3*	..	153	..
605	Honolulu	21 19	157 52	11·6	1016·8	1018·1	+ 1·8	299·2	300·8	..	293·2	291·3	..	296·2	*295·8*	+0·8	17	−88
614	La Paz	24 9	110 20	12	1013·8	1015·2	..	298·0	300·8	14th	284·6	279·0	25th	291·3	..	..	0	..
615	Chihuahua	28 38	106 4	1423	861·0	1017·8	..	292·2	296·5	6th, 7th	278·1	271·5	22nd	285·1	*285·4*	..	0	..
616	Leon	21 7	101 41	1809	824·8	1017·0	+ 1·8	297·9	300·7	1st	277·6	274·0	21, 24, 27	287·7	*288·2*	+1·1	3	..
616*a*	Monterry	25 40	100 18	528	956·3	1017·0	− 1·1	295·6	302·9	9th	284·6	278·0	21st	290·1	*290·4*	+3·5	0	..
617	Tulancingo	20 5	98 22	2180	791·5	..	..	292·6	295·1	26th	278·5	275·0	1, 4, 22	285·6	*284·8*	−0·2	65	+39
618	Galveston	29 18	94 50	16·5	1017·1	1019·3	− 1·0	292·8	297·4	5th	286·9	276·9	19th	289·9	*289·9*	+3·3	178	..
618*a*	New Orleans	29 57	90 4	16·2	..	1019·6	− 0·6	294·8	300·8	2nd	286·2	279·1	29th	290·5	*289·9*	+4·1	..	..
619	Merida, Yuc.	20 58	89 38	22	1017·0	1019·6	+ 0·7	301·1	303·0	8, 9, 18	292·4	287·6	30th	296·7	*296·1*	+0·6	22	..
620	Havana	23 8	82 21	24·3	..	1019·5	+ 1·4	300·5	303·0	15, 17, 20	293·2	287·5	30th	296·8	*296·4*	+1·2	33	..
620*a*	Key West	24 33	81 48	6·7	1018·7	1019·3	+ 0·8	298·7	301·9	19th	293·6	286·9	30th	296·1	*295·6*	+1·9	77	..
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	297·4	..	..	294·1	..	..	295·8	*295·7*	+0·2	56	..
622	Watling Island	24 6	74 26	33·5	1016·8	1020·7	+ 3·4	..	?304·1	4th	..	296·9	3rd, 6th	..	*298·9*	..	..	..
633	Izaña	28 19	16 30	2367	768·1	..	..	278·5	284·3	21st	272·8	268·0	12th, 13th	275·7	*275·8*	−1·4	114	+55
634	La Laguna	28 28	W16 20	547	957·9	1022·2	+ 3·4	289·1	295·8	4th	282·8	276·6	20th	286·0	*285·5*	−0·5	355	..
641	Siwa	29 12	E 25 29	— 23	1021·8	1019·0	..	..	291·8	297·0	6th	278·1	274·0	27th	285·0	..	..	0
642																		
643	Cairo (Helwan)	29 52	31 20	116	1005·2	1018·9	+ 0·1	292·2	298·7	28th	281·3	277·8	17th	286·7	*286·4*	−1·0	0	..
643*a*	Aswan	24 2	32 53	99·6	1005·9	1017·8	+ 0·8	296·5	303·0	28th	283·2	278·0	18th	289·8	*289·0*	−0·7	..	..
644	Tor	28 14	33 37	1·9	1017·0	1017·3	+ 0·3	293·9	299·7	29th	282·4	278·5	4th, 18th	288·2	*?288·0*	−0·4	20	..
647	Bushire	28 59	50 53	4·3	1018·1	1018·7	− 0·5	294·4	302·2	9th	286·0	281·2	27th, 30th	290·2	*289·8*	+0·8	47	+7
648	Jask	25 44	57 47	4·0	1016·4	1016·9	− 1·8	300·0	303·2	2nd	291·6	287·4	28th	295·8	*295·4*	+1·6	..	..
649	Karachi	24 53	66 57	4·0	1017·3	1017·8	− 0·6	298·8	301·2	7th	289·7	285·7	23rd, 27th	294·3	*293·9*	+0·9	1	..
650	Jacobabad	28 17	68 29	56·7	1012·5	1019·4	+ 0·1	294·6	298·6	1, 6, 8	281·4	276·7	24th	288·0	*287·2*	−0·8	1	..
651	Jaipur	26 56	75 52	436	968·1	1010·6	− 0·3	297·2	302·7	1st, 2nd	281·6	276·4	27th	289·4	*288·2*	−1·2	13	0
652	Nagpur	21 8	79 5	310	982·1	1018·5	+ 0·3	299·7	302·7	4th	284·3	280·1	27th	292·0	*291·6*	−1·1	0	+1
653	Allahabad	25 25	81 51	94·1	1007·6	1018·5	+ 0·3	296·7	301·6	4th	282·5	278·6	28th	289·6	*288·5*	+0·1	14	+2
653*a*	Darjeeling	27 3	88 18	2266	777·5	..	− 0·3	282·3	286·0	29th	275·6	273·1	24th, 26th	278·9	*278·4*	−0·2	25	+3
654	Calcutta	22 36	88 23	6·4	1015·9	1016·8	− 0·6	298·1	301·2	5th	287·0	284·1	19th	292·6	*292·0*	+0·5	0	..
655	Gauhati	26 8	91 41	59·7	1011·0	1018·1	− 0·3	297·3	300·1	1st	284·2	280·6	27th	290·7	*290·1*	+0·1	3	+1
655*m*	Cherrapunji	25 15	91 42	1314	870·7	..	− 0·3	290·0	294·2	13th	282·4	279·8	27th	286·2	*285·5*	+0·6	11	−33
655*a*	Akyab	20 11	92 56	6·1	1013·7	1014·5	− 1·1	298·6	301·4	9th	289·9	286·2	27th	294·3	*293·6*	−0·9	105	+40
656	Mandalay	21 59	96 0	76·2	1007·8	1016·7	− 0·1	300·2	302·8	9th	288·7	283·8	27th, 28th	294·4	*293·7*	−0·4	40	+38
656*a*	Tengyueh	25 2	98 33	1625	836·4	1014·3	− 0·5	290·2	292·4	28th	275·6	270·2	27th	282·9	*282·0*	+0·4	38	+5
657	Phu Lien	20 48	106 38	116	1006·3	1020·1	+ 1·1	293·9	298·6	1st	287·0	279·5	6th	290·4	289·9	−1·0	32	+85
658	Moncay	21 31	107 51	9	1019·2	1020·3	+ 0·8	293·2	299·6	1st	284·4	279·0	8th	288·8	*289·3*	−1·5	19	+28
659	Hongkong	22 18	114 10	33·2	..	1020·0	+ 0·3	292·3	296·3	4th	287·1	281·3	6th	289·7	289·5	−0·6	28	..
660	Amoy	24 27	118 4	ca.3	1020·3	1020·7	− 0·1	292·0	295·8	4th	285·7	279·7	1st	288·8	*288·6*	−0·8	..	..
661	Taihoku, Formosa	25 2	121 31	9·3	1020·5	1021·6	+ 0·9	292·8	298·3	3rd	286·2	280·7	31st	289·5	289·1	−0·7	91	+38
661*a*	Basco	20 28	121 59	18·7	1011·7	1014·1	− 0·1	297·0	300·8	15th	293·5	291·0	6th	295·3	*295·3*	−0·6	321	+180
662	Naha	26 13	127 41	10·5	1019·5	1020·8	+ 0·8	292·9	298·6	4th	286·1	281·8	30th	289·5	289·3	−1·3	80	−92
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1016·0	1016·5	− 0·7	293·6	297·2	5th	287·7	282·8	31st	290·7	290·8	−1·7	69	..
		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N. DECEMBER—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	956·6	1012·3	..	305·7	308·4	3rd	287·8	284·0	20th	296·7	*295·1*	..	0	..
716	Morelia	19 42	101 7	1923	812·3	1015·6	..	294·0	296·3	1st	281·1	278·7	21st	287·5	*286·9*	..	0	..
717	Mexico, Tacubaya	19 24	99 12	2309	776·5	..	+ 0·9	293·5	296·0	26th	277·7	275·1	17th	285·6	285·2	0·0	8	− 1
718	Salina Cruz	16 12	95 12	56	1006·2	1012·6	..	302·5	305·0	6th	295·3	292·0	26th	298·9	*298·9*	+0·7	0	− 1
719	San Salvador	13 42	89 13	682	938·4	1014·5	+ 1·6	303·7	306·0	9th	288·2	284·8	23rd	295·9	*294·7*	−0·6	15	+ 2
720	Belize	17 29	88 12	5·2	1016·2	1016·8	+ 0·7	298·1	302·4	7th, 28th	293·9	287·7	29th	296·0	*295·6*	−0·8	244	+ 51
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1014·9	+ 1·4	303·8	306·3	8th	293·6	291·4	26th	298·7	*298·3*	+0·4	55	+ 1
722	Port au Prince	18 33	72 20	37·4	1012·1	1016·4	+ 1·5	304·1	306·3	9th	294·1	291·9	24th	299·1	*298·2*	+0·3	16	− 16
723	Caracas	10 30	66 55	1042	900·0	1015·2	+ 1·6	296·5	298·0	28th	287·4	286·0	27th, 28th	291·9	*290·8*	−0·8	48	+ 3
724	Montserrat	16 41	62 9	39·6	1011·0	1015·7	+ 1·1	301·1	302·4	25, 28, 29	294·7	292·4	25, 29, 31	297·9	*297·5*	−0·3	142	+ 7
725	Grenada (Richmond Hill)	12 5	61 46	155	‡995·5	‡1013·4	+ 1·3	301·0	302·4	24, 30, 31	295·6	294·7	sev. dates	298·3	*297·7*	−0·3	140	− 45
	Barbados	13 8	59 36	55·2	..	1014·2	+ 1·0	301·3	302·2	16th	294·8	291·7	30th	298·1	*296·6*	0·0	60	− 47
731	São Vicente, C. Verde Is.	16 54	25 4	11	1014·3	1015·7	+ 1·1	297·4	300·5	1st	292·1	290·0	2, 11, 24	294·7	*295·7*	+0·1	0	− 7
732	San Tiago, C. Verde Is.	14 54	23 31	34	1011·4	1015·3	+ 0·7	298·6	300·6	2nd	295·0	293·0	1st	296·8	*296·8*	+0·1	1	− 7
733	Bathurst	13 27	16 34	1·8	..	1013·7	+ 0·2	302·0	305·2	3rd, 4th	291·9	288·6	21st	296·9	*296·9*	−0·2	0	− 2
734	M'Carthy Island	13 33	14 45	1·1	..	..	..	305·2	309·1	4th, 5th	290·2	285·2	25th	297·7	..	−0·7	0	− 1
735	Niénébalé	13 33	14 45	..	..	..	..	306·4	311·3	13th	288·8	285·4	4th	297·6	..	..	..	..
735*a*	Ségou	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Timbuktu	13 34	6 17	250	..	..	..	302·9	308·9	4th	287·4	282·1	22nd	295·1	*295·0*	+0·2	0	..
737	Sokoto	13 2	E 5 14	353	..	..	..	306·5	309·1	5, 7, 11	288·7	285·2	15th, 22nd	297·6	*297·2*	+0·8	0	0
738	Kaduna Capital	10 32	7 25	637	942·3	1013·8	− 0·8	304·6	306·9	sev. dates	..	..	..	..	‡*295·9*	+0·3	0	0
740	Hadeija	12 40	10 5	?	..	..	..	304·5	309·1	2nd	284·3	281·3	16th	294·4	*293·9*	−0·5	0	0
741	Maiduguri	11 47	13 11	361	..	..	..	306·6	311·3	7th	287·3	283·0	28th, 29th	296·9	*296·5*	+0·6	0	0
	El Fasher	13 32	25 18	730	..	..	..	304·4	308·2	7th, 9th	281·1	277·6	27th	292·8	*292·0*	..	0	..
743	El Obeid	13 11	30 14	569	948·3	1012·7	− 0·2	304·2	308·5	1st, 8th	286·0	281·1	17th, 18th	295·1	*294·6*	+1·2	0	0
743*a*	Khartoum	15 37	32 33	390	968·3	1012·0	− 0·6	303·6	307·5	6th	289·3	284·2	18th	296·5	*296·5*	−0·2	0	0
744	Port Sudan	19 37	37 13	5·5	1013·6	1014·3	+ 0·1	301·3	304·0	1st	294·6	291·7	19th	298·0	*297·4*	0·0	8	− 9
745	Berbera, Somaliland	10 22	45 2	9·5	1015·9	1016·9	+ 0·8	305·5	308·0	9th	291·1	289·1	25th	298·3	*299·1*	−0·1	6	+ 4
746	Aden	12 45	45 3	28·7	1012·8	1016·1	− 0·4	300·3	301·9	14th	294·9	293·2	14th	297·6	*297·2*	−0·5	0	− 3
751	Bombay	18 54	72 49	11·3	1014·4	1015·8	+ 0·4	302·2	304·8	3rd	293·9	290·2	25th	298·1	297·1	−0·1	4	+ 2
752	Kodaikanal	10 14	77 28	2343	771·3	..	− 0·6	292·1	295·9	22nd	280·3	275·7	30th	286·2	*285·3*	+0·6	353	+226
752*a*	Bangalore	12 59	77 38	920	913·3	1015·5	+ 0·1	299·2	301·1	24th	286·3	284·2	7th, 23rd	292·7	*292·3*	−0·4	2	− 10
753	Madras	13 4	80 14	6·7	1014·5	1015·3	+ 0·2	301·2	302·1	28th	292·3	289·5	20th	296·8	*296·3*	−0·9	9	−142
754	Vizagapatam	17 42	83 19	11·6	1015·1	1016·4	+ 0·1	300·1	301·7	1st	292·3	289·5	29th	296·2	*295·8*	−0·2	0	− 22
755	Port Blair	11 40	92 40	18·0	1009·4	1011·5	− 1·5	301·3	302·8	6th	297·0	294·7	25th	299·1	*298·7*	−1·0	192	+ 18
756	Rangoon	16 46	95 48	5·5	1013·5	1014·2	− 0·7	303·4	305·9	5th	293·5	289·0	27th	298·5	*297·6*	+0·4	15	+ 6
757	Saigon	10 47	106 42	11	1009·1	1010·3	− 0·5	302·4	305·5	2nd	295·1	292·6	25th	298·7	*298·2*	−0·3	28	− 52
758	Nhatrang	12 15	109 12	3·6	1012·3	1012·7	− 0·2	298·9	301·6	18th	294·9	292·9	9th	296·9	*296·5*	−0·6	272	+ 29
759	Bolinao	16 23	119 53	7·1	1007·7	1008·6	− 1·2	303·9	306·0	17th	294·5	293·0	23rd	299·2	*299·0*	−0·4	21	+ 9
761*a*	Vigan	17 34	120 23	12·2	..	1010·2	− 0·7	303·7	305·9	11th	295·6	294·5	20th	299·7	299·4	+0·2	30	+ 23
762	Manila	14 35	120 59	14·2	..	1010·8	− 0·3	303·0	304·8	8th	294·8	293·0	23rd	298·9	*297·9*	−0·2	134	+ 57
765	Ormoc	11 0	124 36	5·6	1007·9	1008·7	+ 0·3	304·4	306·3	2nd	295·3	293·9	10th	299·9	*299·1*	+0·6	217	+ 23
	Guam, Ladrone Is.	13 24	144 38	20·4	1006·4	1008·9	+ 0·2	302·1	303·6	2nd	297·3	295·0	25th	299·7	*299·6*	0·0	70	− 59
		N.	E.															

Between Latitude 10° N. and 0°. DECEMBER—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
820	Fanning Island	3 54	159 23	5·3	1010·8	1011·5	..	303·6	304·7	1st, 11th	297·5	296·2	4th	300·5	*300·1*	−0·1	92	−146
821	Colon	9 23	79 23	11·0	..	1011·5	+ 0·6	302·8	304·1	1st	297·1	295·2	20th	299·9	*299·5*	+0·3	183	−106
822*a*	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	96	+ 29
823	Merida, Venez.	8 36	71 9	1641	‡842·2	..	+ 0·8	294·7	296·0	16th	287·2	284·5	1st	290·9	*290·1*	−0·5	224	+144
824	Ciudad Bolivar	8 9	63 33	38	..	..	..	302·7	304·3	5th, 30th	295·7	294·6	19th, 27th	299·2	*298·7*	..	99	+ 42
825	El Peru, Guayanavieja	7 19	61 49	220	‡985·9	?1011·0	+ 1·2	299·9	303·1	26th	292·1	290·7	20th	296·0	*295·5*	−1·7	220	+111
826	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·2	+ 1·5	300·7	303·0	29th	296·3	295·2	sev. dates	298·5	*298·4*	−1·1	561	+278
826*a*	Paramaribo	5 49	55 9	3·7	‡1013·0	‡1013·4	+ 1·3	302·4	304·2	15th	295·2	293·9	27th	298·8	*298·8*	+1·0	307	+ 87
	Cayenne	4 56	52 21	6	1010·8	1011·5	+ 0·4	304·9	307·0	13th, 24th	..	..	..	..	*298·3*	0·0	578	+306
831	10°—5° N. 30°—25° W.	†† 7 20	†† 27 3	§(73-78)	..	1012·1	+ 0·3	..	..	Sea Temp.	..	..	..	..	299·4	0·0	..	..
833	Konakri	9 31	13 43	16	..	..	..	300·9	302·0	11, 12, 28	295·6	294·0	8, 10, 14	298·3	*297·9*	−0·2	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·0	1011·9	+ 1·0	303·6	305·8	31st	296·2	291·3	13th	299·9	*299·0*	−1·1	68	+ 49
835	Assuantsi	5 18	1 15	101	..	..	..	303·3	304·7	28th	293·5	291·3	17th, 18th	298·4	*297·8*	−0·5	41	+ 5
836	Accra	5 33	W 0 12	27·0	1007·5	1010·6	..	304·3	305·2	21, 22, 29	295·8	291·3	17th	300·1	*299·5*	..	63	..
837	Lagos	6 27	E 3 24	4·6	1009·8	1010·3	+ 0·2	304·1	304·8	27th, 29th	296·7	293·8	16th	300·4	*299·9*	+0·4	0	− 18
838	Zungeru	9 48	6 10	130	..	..	..	304·8	310·8	27th	289·9	284·7	11th, 14th	299·3	*298·8*	−0·2	22	+ 2
839	Yola	9 12	12 30	259	..	..	..	307·7	310·8	5th	..	..	..	..	‡*298·7*	+0·1	0	+ 2
841	Wau	7 42	28 3	440	..	..	..	308·2	312·0	30th, 31st	289·5	286·1	5th	298·8	*297·6*	−0·2	0	0
843	Malakal (Kodok)	9 35	31 37	394	965·5	1009·6	+ 0·1	307·9	310·7	22nd	289·9	286·6	5th	298·9	?*297·8*	−0·2	0	0
843*a*	Mongalla	5 11	31 47	439	958·6	1007·4	− 0·4	..	..	..	..	..	..	..	..	..	26	+ 18
844	Entebbe	0 5	32 29	1171	884·6	1010·8	+ 1·1	299·3	304·4	4th	289·7	287·4	24th	294·5	*294·5*	+0·5	111	− 18
851	Minicoy	8 17	72 49	2·1	1014·2	1014·4	+ 1·7	..	..	..	..	..	..	..	..	..	58	− 33
851*a*	Cochin	9 58	76 21	2·7	1013·7	1014·1	+ 1·0	303·6	305·5	30th	294·5	290·2	7th	299·1	*298·7*	−1·0	7	− 38
852	Colombo Observatory	6 54	79 53	7·3	..	1011·6	+ 1·4	302·8	304·3	27th, 31st	294·2	291·4

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	1010·6	1011·5	+ 1·8	302·3	302·7	1, 2, 3	297·1	295·8	1, 2, 3	299·7	*299·0*	—1·2	0	— 20
924	Manaos	3 8	60 1	43·8	..	..	..	303·9	307·6	11th	295·9	293·0	1st	299·9	*299·1*	—0·9	159	— 46
926	Taperinha	2 30	54 20	20·0	1008·4	1010·6	+ 0·4	303·3	305·6	14th	295·3	292·9	21st	299·3	*298·3*	—0·3	125	— 56
927	Turyassu	1 43	45 26	15·1	1008·9	1010·6	+ 0·5	305·8	307·6	28th	295·6	293·2	29th	300·7	*299·8*	—0·2	9	— 29
928	Barra do Corda	5 30	45 16	81·0	999·8	1009·1	— 0·1	305·0	307·3	23rd	295·1	292·9	17th	300·0	*298·8*	0·0	92	— 19
929	Quixeramobim	5 16	39 15	207	988·3	1011·5	+ 0·9	305·8	307·7	29th	295·6	293·7	1st	300·7	*301·0*	—0·5	10	— 10
930	Fernando Noronha	3 50	W32 25	106	1000·0	1011·8	+ 0·2	301·5	302·2	25th, 29th	297·3	296·2	2nd	299·4	*298·8*	+0·3	5	
939	Loanda	8 49	E 13 13	59·3	..	1014·2	+ 3·1	300·8	304·0	31st	296·5	294·5	2nd	298·7	298·6	+0·7	41	+ 18
940	Brazzaville	4 17	15 16	320	977·2	1013·2	+ 1·5	304·1	309·0	13th	294·2	291·0	30th	299·2	*298·6*	+0·4	103	— 39
943	Masaka	0 21	31 47	?1280	..	..	..	303·3	304·7	1, 10, 24	283·7	283·0	sev. dates	293·5	*292·8*	+0·2	47	— 37
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	296·9	301·3	3rd	285·8	282·4	21st	291·3	..	..	127	+ 72
944*a*	Zanzibar	6 10	39 11	21·9	1011·7	1014·2	+ 0·9	302·7	303·6	24th	298·8	296·6	20th	300·7	*300·2*	—0·4	188	+ 49
945	Lamu	2 16	40 50	3·1	..	..	..	302·4	303·6	sev. dates	298·6	296·9	10th, 11th	300·5	*300·2*	+0·2	10	+ 14
947	Seychelles, Port Office	4 37	55 27	4·6	1011·8	1012·4	+ 0·7	301·5	303·2	8th	298·3	296·7	29th	299·9	*299·3*	+0·8	108	— 236
957	Padang	0 56	100 22	6·7	..	1010·6	— 0·1	..	..	..	..	..	..	..	..	..	619	+134
958	Batavia	6 11	106 50	8·0	1007·8	1008·7	— 0·8	302·7	305·1	18th	296·5	294·8	7th	299·6	299·1	+0·3	194	+ 1
958*a*	Pontianak	0 1	109 20	2·6	..	1009·7	0·0	..	..	..	..	..	..	..	..	..	336	+ 77
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	243	—150
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	239	
962	Amboina	3 42	128 10	4·2	..	1008·0	— 0·3	..	..	..	..	..	..	..	..	..	140	+ 3
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	117	—154
965	Daru	9 4	143 13	7·6	..	..	..	303·7	..	..	298·2	..	..	300·9	*300·5*	+0·4	93	—112
966	Port Moresby	9 29	147 9	39·0	..	1008·4	— 0·2	305·2	..	..	297·6	..	..	301·4	*300·9*	+0·3	40	— 67
967	Rabaul	4 9	152 12	20·7	..	1007·6	..	305·7	307·4	11th	295·8	295·2	8, 14, 24	300·8	*300·2*	+0·2	254	+ 13
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	162	—139
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1008·4	1008·7	+ 1·4	?305·0	?306·9	25th	298·2	296·9	2, 7, 8	?301·6	*?301·4*	+0·5	256	— 5
970	Ocean Island	0 52	169 35	54·0	1001·2	1007·4	+ 0·7	304·4	305·2	12th, 29th	298·2	296·3	5, 7, 27	301·3	*300·6*	+0·4	38	—180
		S.	E.															

		S.	W.															
1002	Apia, Samoa	13 48	171 46	2	..	1009·4	+ 1·1	301·5	304·4	17th	297·2	296·1	10th	299·3	299·3	0·0	607	+254
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	303·1	305·8	21st, 28th	296·6	294·7	12th	299·8	*299·6*	+0·6	303	+ 47
1021	Arequipa	16 22	71 33	2451	760·9	..	+ 0·5	292·6	294·7	5th	282·5	280·5	2nd	287·6	*287·0*	—0·1	25	+ 16
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	288·7	286·1	8th	..	*293·1*	..	0	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	995·4	1008·4	+ 0·9	305·3	308·6	17th	294·3	287·8	29th	299·8	*299·3*	—0·9	99	— 80
1026	Cuyaba	15 36	56 6	165	990·1	1008·8	+ 0·7	305·7	308·0	6, 16, 19	294·7	289·7	30th	300·2	*298·8*	—1·5	99	—106
1027	Bello Horizonte	19 55	43 57	895	912·7	1011·1	0·0	300·1	304·2	15th	290·2	287·0	1st	295·1	294·2	0·0	302	+ 52
1028	Caetite	14 3	42 37	897	914·8	1013·1	+ 0·8	299·8	303·2	23rd	291·2	289·5	12th, 17th	295·5	*296·2*	+0·4	246	+ 27
1029	Ondina (Bahia)	13 0	38 31	46·6	1006·7	1012·0	+ 0·2	302·0	304·8	23rd	295·7	294·2	3rd	298·8	*298·5*	0·0	141	— 16
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1035	St. Helena	15 57	W 5 40	‡604	945·6	1014·4	+ 0·6	296·0	298·6	22nd	286·2	285·3	15th	291·1	*290·6*	+1·3	102	+ 52
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	298·8	303·3	13th, 14th	..	..	..	..	..	..	3	..
1041	Elisabethville	11 39	27 28	1236	877·6	1009·6	+ 1·2	302·4	305·9	16th	289·1	286·3	12th	295·7	..	+0·8	150	—106
1042	Gwelo	19 28	29 48	1417	860·8	1010·2	+ 0·1	302·9	309·6	15th	289·2	285·8.	6th	296·1	..	+1·7	63	— 85
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡852·7	‡1007·6	— 0·3	301·3	306·8	15th, 16th	288·3	283·9	7th	294·8	*293·9*	+0·9	175	+ 25
1044	Zomba	15 23	35 18	955	906·6	1010·5	+ 1·3	301·6	307·4	15th	291·2	287·4	24th	296·4	*295·6*	+0·6	277	+ 1
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1046	Tamatave	18 10	49 24	5	..	..	..	302·6	304·5	..	294·5	293·0	..	298·5	*298·0*	..	85	..
1047	Vohémar	13 21	50 1	3	..	..	..	305·5	307·8	..	296·5	295·5	..	301·0	*300·4*	..	60	..
1048	Antalaha	14 58	50 19	3	..	1011·3	..	..	..	..	..	..	..	..	..	..	..	..
1055	Cocos Keeling Is.	12 5	96 53	4·6	1009·7	1010·2	— 0·8	300·7	305·8	23rd	297·1	295·2	5th, 27th	298·9	*298·6*	—1·1	486	+378
1057	Christmas Island	10 25	105 43	5·5	1006·3	1006·9	— 0·7	302·5	304·7	..	297·2	295·8	..	299·8	*299·3*	—0·3	339	+146
1061	Kupang	10 10	123 34	45·1	..	1008·7	+ 0·4	303·4	307·5	1st	297·3	295·5	19th	300·3	300·0	..	200	— 53
1061*a*	Derby	17 18	123 40	16·2	1005·1	1007·1	— 0·4	308·1	312·0	5th	299·7	295·5	31st	303·9	..	+0·1	69	+ 50
1062	Hall's Creek	18 13	127 46	374	964·9	1006·5	— 0·6	307·9	312·7	6th	296·4	..	..	302·2	*301·6*	—1·5	142	+ 10
1063	Darwin	12 28	130 51	29·6	1003·6	1006·9	+ 0·2	305·7	308·1	5th	298·8	296·3	30th	302·2	301·0	—0·3	272	+100
1064	Daly Waters	16 16	133 23	211	980·7	1004·0	— 1·8	309·1	314·1	8th	297·7	295·2	22nd, 29th	303·4	*302·8*	—0·7	210	— 88
1065	Mein	13 13	142 47	122	992·7	1006·3	0·0	307·2	310·3	17th	295·9	293·6	1st	301·6	..	+0·1	95	— 19
1066	Georgetown, Queensland	18 22	143 32	302	974·5	1008·1	+ 0·2	308·2	312·4	1st	296·6	290·8	1st	302·4	..	+0·6	135	..
1066*a*	Willis Island	16 18	149 59	8·5	1007·3	1008·2	..	304·0	306·4	19th	299·1	297·1	12th	301·6	*301·2*	..	26	— 3
1067	Samarai	10 37	150 40	15·2	..	1009·1	+ 0·5	303·5	..	..	..	..	..	..	‡*301·9*	+0·7	144	+ 90
1072	Suva, Fiji	18 8	178 26	6·1	1008·5	1009·2	— 0·5	302·7	305·8	22nd	294·9	289·9	3rd	298·8	*298·6*	—0·3	408	
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	301·1	305·5	24th	295·7	289·1	6th	298·4	*298·2*	+0·5	114	— 64
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·2	1016·4	+ 1·6	292·0	294·8	31st	286·9	283·8	6th	289·5	*289·4*	+0·6	0	0
1122	Iquique	20 12	70 11	9	1013·9	1015·0	+ 0·8	295·8	299·0	19th	288·5	286·2	1st	292·1	*292·6*	—0·1	0	0
1123	Catamarca	20 12	65 47	510	952·3	1009·0	+ 3·0	304·4	312·0	11th	291·3	285·0	8th	297·9	297·4	—1·9	79	+ 18
1124	Salta	24 46	65 28	1178	882·1	1009·4	+ 2·1	300·9	306·0	13th	289·6	285·2	1st	295·3	294·7	—0·2	211	+ 71
1125	Goya	29 9	59 15	26	1006·8	1009·8	+ 2·0	305·4	311·8	27th	291·5	286·0	29th	298·5	297·9	+0·1	57	— 65
1126	Asuncion	25 21	57 37	93	999·4	1010·0	+ 1·2	306·6	311·5	5th	293·4	289·5	10th	300·0	299·5	—0·1	83	— 74
1127	Curityba	25 25	49 17	908	910·5	1011·0	— 1·4	298·4	303·2	13th	286·9	280·3	1st	292·6	*291·6*	—0·8	138	— 4
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1004·2	‡1011·3	— 0·2	299·9	308·4	13th	294·9	291·2	25th	297·4	297·2	—0·4	201	+ 62
1139	Windhoek	22 35	E 17 5	1669	..	..	..	303·5	307·1	11th	291·4	284·6	1st	297·4	*297·3*	+1·0	68	+ 18
1140																		
1141	Kimberley	28 42	24 47	1202	881·1	1008·9	+ 1·2	305·7	309·6	16th	289·2	283·1	1st	297·5	297·6	+0·7	37	— 12
1141*a*	Johannesburg	26 11	28 4	1806	823·0	1012·4	+ 1·4	298·2	303·0	6th	285·7	283·0	1st	292·0	*291·6*	+0·6	126	— 12
1142	Bulawayo	20 9	28 35	1340	868·0	1010·3	+ 0·9	302·4	307·9	15th	289·8	284·6	7th	296·1	*295·6*	+1·0	103	— 28
1143	Durban	29 52	31 3	15·2	1014·0	1015·8	+ 0·3	300·2	304·1	31st	292·9	288·7	3rd	296·6	*296·2*	+0·4	36	— 94
1144	Lourenço Marques	25 58	32 36	59	..	1014·1	+ 0·8	302·5	307·7	11th	294·2	291·6	3rd	298·4	297·9	+0·3	65	— 36
1145	Tuléar	23 23	43 40	4	..	..	..	..	..	..	291·7	289·0	..	..	..	..	13	..
1146	Fort Dauphin	25 2	46 58	25	..	1014·2	..	300·2	303·0	..	294·7	292·0	..	297·5	*297·1*	..	17	..
1147	Mauritius	20 6	57 33	55·2	1008·3	1014·7	+ 0·7	302·3	306·0	27th	294·1	292·1	6th	298·2	297·9	—0·5	14	—106
1159	Onslow	21 43	114 57	4·3	1004·7	1005·5	— 1·6	307·5	315·1	30th, 31st	292·5	289·0	9th	300·0	..	—1·7	0	— 3
1160	Cue	27 27	117 52	454	956·6	1006·6	— 1·4	306·0	313·0	20th, 21st	291·0	286·2	7th	298·5	..	—3·1	1	— 11
1161	Nullagine	21 53	120 5	386	961·7	1003·9	— 1·8	311·4	314·0	30th	295·6	289·1	4th	303·5	..	—1·1	54	+ 20
1162	Laverton	28 40	122 23	466	955·9	1007·8	— 1·7	305·6	312·3	11th	290·8	287·0	26th	298·2	*298·0*	—2·2	15	— 3
1163	Alice Springs	23 38	133 37	587	940·8	1005·1	— 3·1	306·3	311·9	10th	293·9	286·9	22nd	300·1	*300·1*	—0·8	33	— 52
1164	William Creek	28 55	136 21	76·2	998·1	1006·8	— 3·3	306·2	314·7	23rd	292·6	287·2	31st	299·4	*299·0*	—1·2	132	+ 92
1164*a*	Boulia	22 55	139 38	146	988·2	1004·3	— 1·5	310·2	315·2	31st	296·9	291·3	22nd	303·6	*303·6*	—0·3	79	+ 69
1165	Thargomindah	27 58	143 43	123	991·0	1004·8	— 2·8	309·1	315·4	1st	296·4	290·9	27th	302·7	*302·3*	+0·7	103	+ 65
1166	Mitchell	26 32	147 52	336	968·5	1005·9	..	306·7	310·9	30th	293·8	285·8	27th	300·3	..	+1·1	47	+ 11
1167	Rockhampton	23 24	150 30	11·3	1006·7	1008·0	— 2·5	306·7	311·9	31st	295·7	292·6	28th	301·2	..	+1·0	153	+ 89
1168	Brisbane	27 28	153 2	41·7	1004·6	1009·3	— 2·8	303·2	309·0	28th	293·7	291·2	1st	298·4	*297·7*	+0·7	105	— 12
1170	Norfolk Island	29 4	167 59	15·2	1011·2	1012·8	— 0·7	300·1	301·9	27, 29, 31	288·6	286·9	6, 7, 10	294·3	*293·5*	+0·1	181	+ 58
		S.	E.														35	— 52

Between Latitude 30° S. and 40° S.

		S.	W.															
1221	Juan Fernandez	33 37	78 50	10	..	..	..	..	..	..	..	..	..	..	*290·4*	0·0	34	+ 16
1221*a*	Punta Tumbes	36 37	73 6	120	1001·4	1015·8	— 0·2	290·5	294·0	21st	283·3	281·5	16th	286·9	*287·2*	—0·4	0	— 11
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1010·3	1015·2	+ 0·4	294·3	299·7	7th	285·7	282·9	3rd	290·0	*289·8*	—0·4	0	— 5
1222*a*	Santiago	33 27	70 42	520	954·0	1013·2	+ 0·3	301·3	305·0	7th	284·0	281·0	3rd, 13th	292·7	*291·8*	+0·1	0	— 5
1223	Cordoba	31 25	64 12	423	963·8	1011·7	+ 2·8	302·4	307·5	..	287·8	283·2	..	295·1	294·8	+0·6	145	+ 27
1224	Bahia Blanca	38 45	62 15	25	1010·1	1013·1	+ 2·8	303·5	310·3	15th	288·3	282·0	17th	295·9	295·9	+1·2	95	+ 42
1225	Buenos Ayres (Chacarita)	34 36	58 22	25	1010·9	1013·8	+ 2·5	300·3	308·6	26th	288·0	283·1	28th	294·1	294·5	—0·1	19	— 79
1226	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1013·2	+ 1·6	295·5	302·9	25th	290·2	286·3	18th	292·9	*293·2*	—0·7	57	— 36
1226*a*	Porto Alegre	30 2	W51 13	23·5	1006·5	1009·2	— 2·3	300·6	307·2	13th	289·5	283·0	19th	295·1	294·7	—1·3	120	+ 13
1239	Cape Town	33 56	E 18 29	12·2	..	1016·0	+ 1·7	298·8	307·4	27th	288·2	281·3	9th	293·5	*292·2*	+0·6	4	— 17
1240	Danger Point	34 37	19 18	27·7	1013·1	1016·4	..	295·4	298·6	5th, 12th	287·8	284·7	3rd, 28th	291·6	..	+0·4	9	— 4
1241	Riversdale	34 6	21 16	30·5	1004·3	1007·9	..	299·7	312·4	5th	286·9	281·3	3rd	293·3	..	..	18	— 13
1242	East London	33 0	27 55	44·8	..	1015·0	+ 1·5	298·9	301·9	18th	290·3	286·3	1st	294·6	..	+1·3	19	— 37
1259	Perth (Observatory)	31 57	115 51	60·0	1004·5	1011·9	— 1·5	297·3	310·6	4th	287·1	283·2	25th	292·2	*291·9*	—2·3	26	+ 11
1260	Ratanning	33 42	117 35	310	974·6	1010·9	— 2·3	297·6	308·6	21st	283·2	278·6	19th	290·4	..	—3·0	25	+ 11
1261	Coolgardie	30 57	121 10	423	960·5	1008·3	— 2·7	303·1	310·9	31st	286·8	282·0	26th	294·9	*294·7*	—2·4	3	— 15
1262	Eucla	31 45	128 58	4·6	1008·4	1008·9	— 4·1	296·8	311·9	22nd	288·1	280·9	28th	292·4	*291·8*	—1·2	41	+ 30
1263	Streaky Bay	32 48	134 13	13·1	..	1009·4	— 4·3	299·4	310·8	6th	287·9	281·4	31st	293·7	*293·1*	—0·6	60	+ 50
1264	Adelaide	34 56	138 35	42·7	1003·8	1008·8	— 4·3	299·4	312·4	7th	288·1	282·8	14th	293·8	*293·3*	—0·9	75	+ 50
1265	Melbourne	37 49	144 58	35·1	1003·2	1007·3	— 5·2	297·7	309·1	8th	285·9	282·4	23rd	291·8	*291·5*	+0·9	51	— 8
1266	Bourke	30 13	145 58	110	997·8	1010·2	— 2·3	308·5	315·8	1st	293·4	288·6	23rd	301·0	..	—0·2	84	+ 53
1269	Sydney	33 51	151 13	42·1	1002·6	1007·5	— 4·3	300·0	312·8	24th	291·1	287·4	23rd	295·6	..	+1·4	37	— 37
1270	Lord Howe Island	31 20	159 0	4·6	1010·4	1010·9	— 3·1	298·7	301·2	27th	291·3	285·2	4th	295·0	..	+0·4	134	+ 10
1271	Auckland	36 50	174 50	38·1	..	1009·4	— 4·0	294·1	298·8	14th	287·6	281·3	4th	290·8	..	+0·1	142	+ 70
1272	Napier	39 32	176 53	21·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
		S.	E.															

Between Latitude 40° S. and 50° S.

		S.	W.															
1301	Chatham Island	43 52	176 42	45·7	..	1003·4	..	..	..	..	..	..	..	..	..	..	64	+ 4
1321	Isla Guafo	43 34	74 45	140	1000·2	1017·1	+ 2·0	287·0	303·5	22nd	282·4	279·0	1st	284·7	*284·4*	+0·3	67	+ 3
1322	Punta Galera	40 1	73 44	40	1013·0	1017·8	+ 1·1	288·9	297·8	22nd	282·9	279·8	2nd	285·9	*286·4*	0·0	33	— 52
1323	Sarmiento	45 30	69 0	274	979·2	1009·5	+ 2·0	298·6	307·2	23rd	283·8	277·0	1st	291·2	291·4	+2·1	9	+ 4
1324	Punta Madryn	42 49	W64 58	14	1011·6	1013·0	+ 4·3	298·0	312·0	9th	285·3	278·4	2nd	291·7	291·8	+0·4	16	+ 6
1365	Launceston	41 27	E147 10	10·1	1003·2	1004·3	— 4·8	295·6	302·5	23rd	284·2	279·6	16th	289·9	*289·1*	+0·4	114	+ 63
1365*a*	Hobart	42 53	147 20	53·9	997·7	1004·1	— 5·3	292·8	304·1	8th	284·2	279·7	4th	288·5	*287·7*	—0·3	133	+ 83
1370	Invercargill	46 25	168 21	3·7	..	..	..	291·4	297·4	11th, 12th	281·3	275·8	3rd	286·4	..	+0·5	96	— 11
1371	Dunedin	45 52	170 31	91·4	..	1006·4	— 2·5	290·6	300·8	11th	282·4	277·4	2nd	286·5	..	0·0	96	+ 7
1371*a*	Christchurch	43 31	172 39	7·0	..	1005·8	— 3·6	292·8	304·4	12th	283·4	276·0	4th	288·1	..	—0·6	56	+ 4
1372	Wellington	41 16	174 46	3·1	..	1007·5	— 4·0	293·3	297·8	17th	286·2	278·8	5th	289·7	..	+0·9	19	— 63
		S. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 113.

DECEMBER—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas	52 24	75 6	55	1001·5	1008·2	+ 6·5	282·1	284·6	6th	278·5	276·8	14th	280·3	*280·4*	−0·1	249	— 6
1422	Puerto de Punta Arenas	53 10	70 54	28	1003·6	1007·0	+ 7·7	288·3	295·6	22nd	281·1	276·5	1st	284·7	*285·0*	+1·8	9	— 24
1423	Punta Dungeness	52 24	68 26	5	1005·0	1005·6	+ 5·1	288·1	292·0	7th	280·6	277·0	11th	284·3	*284·1*	+0·6	30	+ 3·0
1424	Santa Cruz	50 11	68 21	12	1006·3	1008·0	+ 6·3	294·8	304·7	27th	282·6	275·5	15th	288·7	288·5	+2·0	15	..
1424*a*	Año Nuevo ‡	54 39	64 8	50	..	..	..	286·0	293·8	31st	277·3	273·2	16th	281·7	*281·2*	+0·8	89	..
1425	Stanley, Falkland Is.	51 42	57 51	1·8	..	1007·1	..	286·7	293·6	7th	278·4	274·1	13th	282·5	..	..	..	..
1426	Cape Pembroke	51 41	57 42	21·3	1002·7	1005·3	+ 5·5	284·2	290·8	4th, 11th	278·3	275·2	13th, 19th	281·3	281·6	+0·3	..	..
1429	S. Georgia(Cumberland Bay)	54 14 S.	36 33 W.	4	995·9	996·4	+ 1·1	280·5	290·5	8th	273·7	271·5	17th	277·1	*277·2*	+0·4	55	— 20

DECEMBER—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys.	60 44 S.	44 39 W.	7	995·0	995·9	+ 1·4	274·8	279·7	8th	271·6	269·2	3rd	273·2	272·9	+0·7	33	+ 10
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 114.

DAILY OBSERVATIONS OF WIND WITHIN THE TROPICS—DECEMBER 1922.

Date.	St. Helena. 1035. Direction.	St. Helena. 1035. ††Mean Velocity for the Day.	Fanning Island. 805. Direction and Force (Beaufort).	Sierra Leone. 834. Direction and Force (Beaufort).	Entebbe. 844. Direction and Force (Beaufort).	Malden Island. 905. Direction and Force (Beaufort).	Tulagi. 969. Direction and Force (Beaufort).	Ocean Island. 970. Direction and Force (Beaufort).	Suva, Fiji. 1072. Direction and Force (Beaufort).
	9h.	m/s	9h.	9h. 17h.	7h. 21h.	9h. 20h.	9h.	8h. 20h.	0h.
1	SE	7·8	E 4	ENE 2 Calm 0	N 1 SE 2	NE 5 NE 3	NW 2	E 6 E 5	NE 4
2	SE	8·0	E 2	ENE 3 Calm 0	N 1 S 2	ENE 4 ENE 3	Calm 0	E 3 E 2	Calm 0
3	SE	6·0	ESE 3	Calm 0 Calm 0	W 1 S 1	E 5 E 3	..	E 3 Calm 0	N 4
4	SSE	4·7	ESE 4	Calm 0 Calm 0	N 1 S 1	EbyN 4 ENE 4	SE 2	E 2 E 2	SW 4
5	SSE	5·3	E 3	NE 1 SW 1	N 1 S 1	EbyN 4 ENE 3	SE 2	NE 1 E 3	SE 1
6	SSE	5·5	ESE 3	Calm 0 Calm 0	N 1 NW 1	NE 4 NE 5	Calm 0	E 3 E 2	SE 2
7	SSE	7·2	SE 3	NW 1 Calm 0	N 1 E 2	EbyN 4 E 4	Calm 0	E 2 E 1	E 4
8	SSE	5·2	E 4	ENE 2 SW 1	NE 1 SE 1	E 5 EbyN 4	SE 2	E 2 E 3	ENE 5
9	SSE	4·6	ESE 3	NE 1 Calm 0	Calm 0 SW 1	E 5 EbyN 4	SE 2	E 4 E 2	ENE 3
10	SSE	5·1	ESE 3	Calm 0 SW 3	SE 1 S 1	ENE 4 ENE 3	..	E 2 E 2	SE 3
11	SSE	3·1	E 3	ENE 1 WSW 1	NE 1 SE 2	EbyN 5 ENE 4	Calm 0	E 2 E 2	SE 4
12	SSE	4·3	E 3	NNE 1 Calm 0	N 1 S 1	E 4 EbyN 5	Calm 0	NE 3 NE 3	SE 4
13	SSE	2·5	E 3	ENE 1 NE 1	E 1 W 2	ENE 3 ENE 2	Calm 0	NE 3 E 3	N 2
14	SSE	5·3	ESE 4	ENE 1 Calm 0	Calm 0 Calm 0	NE 3 ENE 3	Calm 0	ENE 3 ENE 2	SW 1
15	SE	5·8	ESE 4	Calm 0 Calm 0	NE 1 Calm 0	ENE 5 ENE 4	Calm 0	ENE 3 ENE 3	S 1
16	SSE	7·0	E 4	NE 2 Calm 0	NE 1 W 1	NE 4 ENE 5	NW 2	E 3 ENE 3	NNW 2
17	SSE	5·1	SE 3	NE 2 Calm 0	W 1 S 1	EbyN 4 NE 4	..	ENE 3 ENE 2	SE 2
18	SE	8·6	ESE 4	Calm 0 Calm 0	W 1 SW 1	EbyN 4 ENE 3	Calm 0	ENE 3 ENE 3	N 5
19	SE	7·4	ESE 3	Calm 0 Calm 0	SW 1 Calm 0	E 5 E 5	Calm 0	ENE 4 ENE 3	SE 1
20	SE	8·1	ESE 3	ENE 2 Calm 0	Calm 0 Calm 0	EbyN 4 ENE 2	Calm 0	ENE 4 ENE 4	Calm 0
21	ESE	7·2	ESE 3	NE 2 Calm 0	Calm 0 Calm 0	ENE 4 EbyN 2	NW 2	ENE 3 ENE 3	Calm 0
22	SSE	6·6	ENE 4	Calm 0 Calm 0	Calm 0 Calm 0	E 4 E 2	NW 2	ENE 2 ENE 3	NW 1
23	SE	5·8	ESE 4	SW 1 Calm 0	E 1 SW 1	E 4 E 4	Calm 0	E 3 E 3	NNW 1
24	SE	4·9	ESE 4	Calm 0 WSW 2	NE 1 S 2	EbyN 4 EbyN 4	..	E 3 E 3	SSW 4
25	SE	3·8	E 3	NE 1 SW 1	S 1 W 1	EbyN 5 EbyN 5	..	E 3 E 3	S 2
26	ESE	6·9	ESE 3	Calm 0 WSW 1	SW 1 SE 1	EbyN 5 E 4	Calm 0	E 2 E 2	ENE 2
27	SE	7·8	SE 4	Calm 0 WSW 1	NE 1 Calm 0	E 5 E 3	Calm 0	E 1 E 2	N 2
28	SE	5·4	SE 3	ENE 1 Calm 0	E 1 Calm 0	E 4 EbyN 2	NW 4	E 2 E 3	N 3
29	SE	6·1	SE 3	ENE 1 Calm 0	NE 1 E 1	ENE 3 NE 2	Calm 0	E 3 E 2	N 1
30	SSE	7·6	ESE 3	Calm 0 Calm 0	SE 1 Calm 0	ENE 4 ENE 3	Calm 0	E 3 E 2	Calm 0
31	SE	7·6	ESE 3	Calm 0 Calm 0	E 1 N 2	EbyN 5 EbyS 3	..	E 3 E 1	2·1
Mean	..	6·0	3·3	0·8 0·4	0·9 1·0	4·3 3·5	0·8	2·8 2·5	90° (21)
§Resultant	145° (92)	..	110° (92)	55° (12)	120° (9)	70°(50)	315° (4)	80° (94)	90° (58)
§Normal	144° (91)	7·8	‖102° (77)	24° (6)	265° (44)	‖‖70° (81)	121° (9)	‖101° (20)	90° (58)

‖ Normal refers to ½ (9 + 21). ‖‖ Normal refers to 9h. †† Mean velocity of the South-East Trade Wind at 608 metres. § Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC—DECEMBER 1922.

‡‡*Barents Sea.*—On the 13th the ice reached Bear Island from the north and till the 20th there was ice all round the Island. From the 20th to 24th the sea was free of ice, but from the 24th to 31st there was much drift ice everywhere.

‡‡*Spitsbergen.*—On the 6th Green Harbour froze over and on the 18th the ice was passable. Advent Bay froze over on the 7th, but the ice broke up again later on. Wijde Bay was open.

‡‡*Greenland Sea and Denmark Strait.*—A broad belt of "Storis" was lying at Angmagsalik, and from the 10th no water was visible except on odd days, when the sea was open along the land.

‡‡*N. Atlantic and Labrador.*—No icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 2. Belle Isle Strait was filled with heavy but scattered ice.

‡‡*Davis Strait.*—A little "Storis" was met with between the islands at Nanortalik, but it soon disappeared again. The west ice became visible at Egedesminde about the middle of the month, and the winter ice became tolerably passable about the same time at Jacobshavn.

‡‡ *Isforholdene i de Arktiske Have, 1922 and 1923*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, YEAR 1922.

TABLE REPRESENTING THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1922

BY MEANS OF STATIONS SELECTED AT THE RATE OF TWO FOR EACH TEN-DEGREE SQUARE.

Between Latitude 80° N. and 70° N. **YEAR—ZONE 1.**

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
105	Barrow	71 23	156 17	6·1	..	1017·3	..	263·3	289·1	Aug. 6	256·7	230·2	Feb. 6	260·0	..	−0·7	179	+ 38
123	Inglefield Bay	77 27	66 40	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
124	Upernivik	72 47	56 7	18·9	1007·5	1009·9	− 0·5	268·1	287·3	Aug. 15	260·6	233·0	Feb. 18	264·3	*264·1*	−0·3	319	+ 90
125	Jan Mayen	70 59	W 8 18	23·1	1005·5	1008·4	..	..	285·9	Aug. 31	270·9	256·4	Mar. 11	..	*272·6*	..	367	..
135	Spitsbergen(GreenHarbour)	78 2	E 14 14	11·4	1009·7	1011·2	+ 0·3	..	287·6	July 7	265·0	238·2	Mar. 29	..	267·8	+3·5	299	+ 6
139	Björnöen	74 28	19 15	40·5	1004·5	1009·6	..	..	..	..	270·0	..	..	..	*271·9*	..	364	..
140	Gjesvaer	71 6	25 22	6·5	1006·9	1007·7	− 0·1	..	302·8	July 26	274·3	260·3	Jan. 20	..	*276·9*	+2·1	592	−148
141	Mehavn	71 1	27 47	4·6	1007·4	1008·0	+ 0·1	..	295·5	July 26	272·7	256·0	Jan. 21	..	*275·4*	+1·2	839	+ 88
142	Vardö	70 22	31 8	6·8	1007·6	1008·4	− 0·5	..	290·2	July 8	272·6	254·0	Jan. 22	..	*275·2*	+1·5	603	− 56
143	Malye Karmakouly	72 23	52 43	14·8	1000·5	1011·4	+ 1·3	272·6	294·3	July 22	..	..	..	..	*269·6*	+2·8	334	+111
147	Waigatz	70 24	58 47	11·2	1000·6	1011·0	+ 0·8	270·9	292·2	Aug. 6	264·6	236·2	Dec. 28	267·8	*267·8*	..	135	..
148	Dickson	73 30	80 23	13	1013·6	1015·3	..	264·6	293·7	July 31	259·0	232·3	Feb. 8	261·8	..	..	176	..
153		N.	E.															

Between Latitude 70° N. and 60° N. **YEAR—ZONE 2.**

203	Nome	64 30	165 24	6·7	..	1010·1	+ 0·4	272·3	291·9	Aug. 20	265·8	236·9	Feb. 5	269·1	*269·1*	−0·2	749	+299
204	Candle	65 55	161 57	2·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
205	Tanana	65 10	152 6	67·1	..	1013·5	+ 0·8	273·3	298·0	May 29	263·6	230·2	Feb. 6	268·5	..	+0·6	371	+ 46
206	Rampart	65 30	150 15	122	..	..	..	271·6	298·6	Aug. 7	262·2	228·0	Dec. 31	266·9	..	−0·8	269	+ 15
207	Valdez	61 7	146 16	8·2	..	1011·2	+ 1·1	279·1	296·9	July 24	271·1	249·7	Dec. 31	275·1	*274·9*	+0·2	1229	−111
208	Eagle	64 46	141 12	254	..	1015·2	+ 3·0	274·2	302·4	May 29	263·0	225·2	Feb. 7	268·6	*268·7*	+0·2	206	− 67
209	Dawson	64 4	139 20	328	974·4	1016·0	+ 1·8	272·8	302·4	May 29	261·6	225·8	Feb. 10	267·2	..	−0·5	288	− 30
210	Carcross	60 11	134 34	662	..	..	..	276·8	303·6	July 27	264·5	231·9	Feb.9, 11, 12	270·7	..	−0·4	219	− 8
211	Fort Good Hope	66 15	128 31	65·2	1010·8	1019·6	..	269·7	300·8	June 24	258·9	225·8	Feb. 10, Mar. 4	264·3	..	..	386	+161
212	Fort Simpson	61 52	121 35	59·4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
213	Hay River	60 51	115 57	161	994·9	1015·2	+ 0·9	273·4	302·4	May 30, July 30	263·6	224·1	Jan. 21	268·5	..	+0·4	485	+220
226	Jacobshavn	69 13	51 2	12·6	..	..	..	270·5	287·8	July 15	263·4	236·0	Feb. 11	266·9	*267·2*	−0·1	210	− 21
227	Godthaab	64 11	51 43	9·0	1002·4	1003·6	− 2·3	274·3	294·2	Aug. 4	267·9	246·6	Feb. 8	271·1	*270·9*	−0·1	558	− 45
	Ivigtut	61 12	48 10	13·0	1003·0	1004·6	− 0·9	277·2	292·9	Aug. 4	270·0	246·5	Feb. 8, 9	273·6	*273·1*	−0·5	1429	+290
229	Angmagsalik	65 37	37 33	31·7	1002·0	1006·0	− 1·3	275·5	288·0	July 15	268·6	252·6	Mar. 26	272·1	*271·8*	+0·8	992	+ 95
231	Stykkisholm	65 5	22 46	25	1001·8	1004·9	− 1·3	279·7	290·5	July 25, 28	274·1	261·9	Jan. 3	276·9	276·7	+0·9	806	+154
232	Vestmanno	63 24	20 17	132	988·7	1004·9	− 0·5	..	..	..	275·4	264·7	Oct. 31	..	277·7	+0·2	1358	− 7
233	Grimsey	66 33	18 1	22·0	..	..	..	277·6	287·2	July 10	273·7	259·4	Mar. 12	275·7	*275·3*	+0·7	..	..
234	Akureyri	65 40	18 5	4	..	1005·8	− 1·8	..	..	..	..	..	..	..	..	..	..	..
235	Teigarhorn (Berufjord)	64 41	14 22	18·0	1003·9	1006·1	− 0·8	279·9	290·0	July 25	274·2	263·9	Mar. 12	277·1	276·8	+0·7	1610	+444
236	Thorshavn	62 3	6 45	26·3	1004·2	1007·4	− 1·1	281·3	288·5	July 28	276·5	267·8	Oct. 31	278·9	*279·0*	−0·3	1255	−198
	Lerwick	60 9	W 1 11	46·9	1003·6	1009·5	+ 0·2	281·6	287·4	July16Aug.2,28	277·8	270·8	Jan. 4, Nov. 26	279·7	*279·8*	−0·4	1008	+ 44
237	Bergen (Met. Obs.)	60 24	E 5 19	44·4	1004·4	1009·9	− 1·5	282·2	297·5	July 18	277·0	262·5	Feb. 5	279·6	*279·4*	−0·6	1805	+ 74
238	Aalesund	62 28	6 10	6·3	1008·3	1009·1	− 1·0	..	292·6	Aug. 30	..	..	..	..	*279·6*	−0·3	1302	+ 52
239	Trondhjem	63 26	10 25	39·5	1004·2	1009·1	− 1·4	281·1	298·3	July 14	274·4	255·4	Feb. 5	277·7	277·7	0·0	851	+ 81
240	Bodö	67 17	14 24	22·3	1005·2	1007·9	− 0·9	..	295·4	July 17	274·6	262·0	Jan., Mar., Nov.	..	*277·5*	+0·4	983	+ 77
241	Haparanda	65 50	24 9	9·2	1008·2	1009·4	− 1·4	277·2	300·0	June 19, July24	269·5	236·5	Feb. 4, 5	273·3	*273·5*	+0·1	478	+ 9
242	Helsingfors	60 10	24 57	11·7	1009·0	1010·4	− 2·3	279·9	299·7	July 7	274·0	250·7	Feb. 4	277·0	277·1	−0·1	659	+ 40
242*a*	Kuopio	62 54	27 40	90·3	998·2	1009·4	− 3·3	278·8	299·4	June 19	272·4	243·1	Feb. 7	275·6	*275·8*	+0·4	687	+ 90
243	Kola	68 53	33 1	6·7	1008·3	1009·1	− 0·9	277·0	302·5	June 16	269·4	240·8	Dec. 14	273·2	*273·4*	+1·1	421	+118
244	Petrozavodsk	61 47	34 23	38·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
245	Arkhangelsk	64 34	40 31	6·3	1009·0	1009·8	− 2·1	278·5	305·0	July 8	271·2	237·0	Feb. 3	274·8	*274·9*	+1·6	582	+155
246	Mezen	65 50	44 16	14·9	1007·6	1009·5	− 1·6	277·3	302·0	July 8	269·4	236·3	Feb. 2	273·4	*273·6*	+2·0	579	+287
247	Oust-Tsylma	65 25	52 18	? 68	1001·9	1010·5	− 1·6	276·3	300·4	Aug. 6	268·9	232·2	Feb. 15	272·6	*272·4*	+1·8	439	+ 15
248	Teherdyn	60 24	56 31	?177	990·6	1012·7	− 2·0	278·2	302·7	July 29	270·3	235·1	Feb. 17	274·2	*274·2*	+1·7	648	+126
249	Berezov	63 56	65 4	39·5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
250	Obdorsk	66 31	66 35	23·7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
251	Sourgout	61 15	73 24	? 40	1009·6	1014·7	+ 0·3	..	302·6	June 27	265·3	218·6	Feb. 14	..	*270·6*	+1·2	481	+ 54
252																		
253	Doudinka	69 23	86 4	20	1013·6	1016·2	+ 4·6	..	300·1	July 14	259·6	222·3	Feb. 7	..	*263·6*	+1·1	183	− 56
254	Touroukhansk	65 47	87 57	? 45	1011·5	1017·3	+ 2·8	..	303·2	July 14	261·2	217·0	Feb. 8	..	*266·1*	+0·9	405	+ 71
261	Viliouisk	63 45	121 35	120	..	..	..	..	..	..	..	225·5	Dec.	..	*262·0*	−1·5	209	− 19
263	Takoutsk	62 1	129 43	98	1003·2	1016·1	+ 0·1	..	..	..	..	213·2	Feb. 13	..	*261·4*	−1·4	191	− 44
271	Verkhoiansk	67 33	133 23	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
272		N. °	E. °	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

(84/923)

* For formulæ employed, *see* pages 105 and 106. † Estimates not based on at least six equally-spaced observations each day are in *italics*.

YEAR—ZONE 3.

Table representing the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
301	Atka	52 12	174 20	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
302	St. Paul Island	57 15	170 10	21·3	..	..	..	..	286·3	July 24	..	..	..	..	..	..	..	..
303	Dutch Harbor (Radio)	53 55	166 30	15·2	..	1007·4	— 0·6	280·5	294·1	Sept. 3	275·2	263·6	Jan. 5, Mar. 8	277·8	277·6	+0·5	1636	..
304																		
305	Dillingham	59 0	158 28	24·4	..	..	..	..	..	..	..	243·6	Nov. 21	..	..	..	..	..
306	Kodiak (Radio)	57 46	152 22	6·1	..	1008·4	+ 1·1	281·6	296·3	July 23 Sea Temp.	274·8	258·0	Mar. 8	278·2	278·0	+0·4	1147	..
307	55°—50°N. 150°—145° W.	††51 27	††147 34	§(254)	..	1012·6	+ 1·9	..	..	280·5 | +0·4	..	..	..	279·8	−0·2	..	..	..
309	Sitka	57 3	135 19	27·4	..	1012·8	+ 0·9	283·3	298·0	May 28, 31	275·6	259·7	Feb. 8	279·4	279·2	−0·2	1929	..
310	Prince Rupert	54 18	130 18	51·8	1008·6	1015·0	+ 1·6	283·5	300·8	May 28	276·4	259·7	Feb. 13	279·9	280·1	−0·3	2258	..
311	Barkerville	53 2	121 35	1274	867·1	1014·5	+ 0·7	279·4	298·0	June 2	268·7	242·4	Feb. 10, Dec. 11	274·0	273·7	−0·9	988	..
312	Kamloops	50 42	120 29	385	973·9	1020·4	+ 1·5	286·0	310·2	July 31	274·9	245·8	Dec. 12, 14, 15	280·4	280·5	−1·0	204	..
313	Calgary	51 2	114 2	1045	893·3	1015·1	+ 1·1	285·0	308·0	Aug. 2	268·8	238·6	Dec. 11	276·9	276·1	+0·5	270	..
314	Fort Chipewyan	58 42	111 10	218	987·1	1016·9	+ 2·1	275·5	303·6	Aug. 19	264·8	226·3	Jan. 22	270·2	270·7	−0·1	..	..
315	Prince Albert	53 10	105 38	442	961·6	1015·8	+ 1·2	280·7	307·4	Aug. 1	268·7	233·0	Jan. 23	274·7	274·3	+1·4	395	..
316	Qu'Appelle	50 30	103 47	645	937·3	1015·0	— 0·1	281·2	305·2	{Aug. 2, 3, 4 | Sept. 20}	269·3	233·0	Jan. 22	275·2	274·7	+0·8	558	..
317	Minnedosa	50 15	99 50	515	953·4	1016·1	— 0·1	280·8	305·8	June 5, 22	269·3	232·4	Jan. 23	275·1	274·6	+0·9	520	..
318	Berens River	52 18	97 23	216	..	..	..	..	303·6	May 26, June 5	..	233·0	Jan. 21	..	..	..	..	..
318a	Port Nelson	57 4	92 36	14·9	1013·5	1015·4	+ 0·4	271·8	303·6	{May 26, 27 | July 28}	261·4	231·3	Dec. 12	266·6	..	+0·3	..	..
319	Fort Hope	51 33	87 49	‡260	983·3	1015·8	+ 0·1	277·4	304·1	Aug. 14	265·4	230·8	Feb. 12	271·4	271·5	0·0	543	..
320	Moose Factory	51 14	80 30	9·1	..	..	..	..	‡308·6	June 6	..	233·0	Feb. 16, 22	..	..	..	..	..
321	Fort George	53 50	79 5	97·5	..	..	..	273·7	300·2	Sept. 29	..	228·0	Feb. 22	..	..	..	..	..
322	Mistassini Post	50 15	73 55	383	..	..	..	..	299·1	May 28, 29	..	228·6	Feb. 17	..	..	..	803	..
323																		
324	Natashquan	50 8	61 48	6·1	..	..	..	277·1	299·7	July 14	267·4	237·4	Feb. 26	272·3	..	−0·8	961	..
326	Belle Isle	51 53	55 23	133	993·0	1010·0	+ 0·2	273·7	290·8	July 28 Sea Temp.	267·9	241·9	Feb. 18	270·8	270·7	−1·4	..	..
333	53°—48°N. 20°—15°W.	††50 25	††17 27	§(545–575)	..	1013·9	..	..	..	285·4 | −0·5	..	..	..	284·7	..	..	..	..
333a	52°—59°N. 20°—15°W.	††58 46	††17 18	§(386–390)	..	..	..	..	..	282·3 | −0·4	..	..	..	281·3	..	..	..	..
334	Cahirciveen (Valentia Obs.)	51 56	10 15	13·7	1012·1	1013·8	+ 0·1	285·3	296·9	May 31	280·7	271·9	Jan. 20	283·0	283·2	−0·3	1358	..
335	Aberdeen	57 10	W 2 6	20·8	1007·5	1010·7	— 0·8	283·3	295·8	May 31	277·9	268·0	Jan. 17	280·6	280·7	−0·1	771	..
336	Greenwich	51 28	0 0	46·3	1008·9	1014·6	— 0·6	286·9	305·8	May 24	278·4	268·6	Jan., Oct., Dec.	282·7	282·4	−0·3	589	..
337	Uccle	50 48	E 4 22	100	1002·5	1014·7	— 1·0	286·6	307·1	May 24	278·0	261·3	Feb. 5	282·3	281·6	−0·4	939	..
338	De Bilt	52 6	5 11	3·0	1013·7	1014·1	— 1·2	285·6	306·6	May 25	277·3	259·0	Feb. 5	281·5	281·3	−0·6	649	..
338a	Hamburg	53 33	9 58	40·3	1009·0	1013·9	— 0·6	283·8	304·1	May 24	277·9	258·6	Feb. 5	280·9	280·7	−0·9	617	..
339	Copenhagen (Meteor. Inst.)	55 41	12 36	5·0	1011·8	1012·4	— 1·3	..	277·2	May 23, 24	..	259·3	Feb. 5	..	279·9	0·0	550	..
340	Potsdam	52 23	13 4	84·9	1003·9	1014·3	— 1·0	284·6	309·8	July 6	276·6	255·9	Jan. 27, Feb. 8	280·6	280·3	−1·0	655	..
340a	Uppsala	59 51	17 38	24	1007·4	1010·3	— 1·8	281·4	299·3	June 21	273·3	250·1	Feb. 8	277·4	277·5	−0·4	530	..
341	Warsaw	52 13	21 1	133	998·4	1014·7	— 1·8	284·0	307·5	July 6	276·0	252·5	Jan. 27	280·0	280·2	−0·4	438	..
342	Tartu (Dorpat)	58 23	26 43	74·5	1002·3	1011·5	— 2·0	280·9	306·0	July 7	273·5	248·4	Feb. 7	277·2	277·0	−0·5	574	..
343	Petrograd	59 56	30 16	4·8	1010·0	1010·6	— 2·7	280·0	301·1	July 7	273·9	250·2	Jan. 16	277·0	276·9	−0·1	692	..
344	Kiiv	50 27	30 30	183	992·6	1014·8	— 1·6	283·9	308·1	July 12	276·2	250·2	Feb. 6	280·0	279·6	−0·3	784	..
344a	Moscow	55 50	37 33	167	992·8	1013·4	— 2·7	280·9	301·6	July 26	273·2	241·9	Jan. 23	277·0	277·1	+0·5	620	..
345	Saratov	51 33	45 57	?122	1000·8	1015·9	— 1·7	282·6	308·3	July 19	274·1	245·7	Jan. 20	278·4	278·3	−0·4	448	..
346	Kazan	55 47	49 8	79·9	1005·1	1015·0	— 2·2	281·6	306·5	Aug. 5	273·4	241·3	Feb. 16	277·5	277·2	+0·9	457	..
347	Orenburg	51 45	55 6	109	1003·9	1017·5	— 2·2	..	308·5	July 28	272·3	236·0	Feb. 16	..	276·9	+0·2	348	..
348	Perm	58 1	56 16	163	994·7	1015·0	— 1·5	279·1	304·6	July 28	271·0	234·3	Feb. 17	275·0	275·1	+0·9	629	..
349	Sverdlovsk	56 50	60 38	281	980·6	1015·4	— 0·8	279·0	304·2	July 29	270·1	234·5	Jan. 18	274·6	274·5	+0·7	449	..
350	Tobolsk	58 12	68 14	108	..	..	..	..	303·0	June 24	..	..	..	..	..	..	..	..
351	Akmolinsk	51 12	71 23	?347	..	..	..	..	..	..	..	..	..	..	..	..	..	..
352	Omsk	55 13	73 22	?108	1003·6	1017·2	— 1·1	..	303·0	Aug. 12	269·7	234·1	Feb. 18	..	274·1	+1·0	401	..
353	Barnaoul	53 20	83 48	162	999·9	1020·2	— 0·3	279·8	305·0	Aug. 7	269·5	230·1	Jan. 18	274·7	274·7	+0·9	605	..
354	Tomsk	56 30	84 58	122	1002·4	1017·8	— 0·8	..	305·4	July 2	268·3	230·8	Feb. 9	..	273·3	+1·2	635	..
355	Minousinsk	53 43	91 41	248	989·4	1020·4	— 0·5	..	308·3	July 1	267·5	223·8	Jan. 18	..	273·1	−0·3	372	..
356	Eniseisk	58 27	92 10	77·6	1008·4	1018·3	+ 0·6	..	304·6	June 30	264·8	223·7	Dec. 30	..	270·6	−0·7	448	..
357	Irkutsk	52 16	104 19	467	962·3	1020·2	— 0·7	277·7	307·1	July 22	264·9	229·8	Jan. 17, 24	271·3	271·3	−0·4	355	..
358	Kirensk	57 47	108 7	263	986·0	1019·5	+ 0·9	..	305·6	July 18	262·1	215·3	Jan. 2	..	268·1	−1·2	351	..
359	Tchita	52 2	113 30	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
360	Nertchinskii Zavod	51 19	119 37	626	..	..	..	..	..	..	..	..	..	..	..	..	..	..
361	Tygan Ourkan	54 5	124 46	379	966·8	1014·4	— 1·1	275·0	303·8	June 28	261·0	228·3	Jan. 14	268·0	268·6	−0·3	570	..
362	Blagovyeshchensk (Bureau Météor.)	50 16	127 30	142	994·7	1012·5	— 2·1	277·5	305·1	June 29	266·5	230·9	Jan. 20	272·0	271·8	−1·2	525	..
363																		
364																		
365	Nikolaevsk-sur-Amour	53 8	140 45	21·2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
366																		
367																		
368	Petropavlovsk (Phare)	52 53	158 43	87·1	..	..	..	275·8	297·0	July 17	270·4	251·3	Jan. 11	273·1	272·7	−0·5	782	..
		N.	E.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 106 and 107. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ " *See* Remarks," page 106.
†† Mean latitude and longitude of the observations. § Number of observations.

Table representing the Meteorology of the Globe between Latitude 50° N. and 40° N.

YEAR—ZONE 4.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
411	Victoria, B.C.	48 24	123 19	70·1	1008·8	1017·4	+ 0·7	285·4	303·6	July 2	278·8	266·9	Jan. 30, Dec. 11	282·1	281·6	−0·6	581	−189
412	Portland, Oregon	45 32	122 41	46·6	1012·7	1018·2	+ 0·4	288·6	308·0	July 2	279·9	264·1	Jan. 18	284·2	284·0	−0·2	985	−120
413	Macleod	49 44	113 24	953	..	..	..	284·1	306·9	July 4	271·6	229·7	Dec. 14	277·9	277·9	−0·2	420	+ 66
414	Helena	46 34	112 4	1253	873·5	1017·1	+ 0·2	284·8	306·9	July 31	273·0	242·4	Dec. 12	278·9	278·8	−0·5	343	+ 4
414a	Salt Lake City	40 46	111 54	1329	868·0	1016·3	+ 0·5	288·7	309·7	July 13	278·5	251·3	Jan. 19	283·6	283·7	−0·4	552	+136
415	Cheyenne	41 8	104 48	1856	812·6	1015·9	+ 0·2	286·6	306·9	June 22	273·4	243·0	Jan. 18	280·0	280·1	0·0	391	+ 35
416	Northy Platte	41 8	100 45	859	917·6	1017·5	+ 0·7	290·8	311·9	Aug. 31	275·4	249·1	Jan. 30	283·1	282·7	+0·9	438	− 32
416a	Bismarck	46 47	100 38	511	956·0	1017·5	+ 0·7	284·4	310·8	Aug. 13	272·5	237·4	Jan. 23	278·4	278·5	+0·6	435	+ 2
417	Winnipeg	49 53	97 7	232	987·4	1016·1	— 0·1	282·3	308·6	June 5	271·2	234·1	Jan. 22	276·8	276·3	+2·4	543	+ 30
418	Duluth	46 47	92 6	345	974·7	1016·7	+ 0·5	281·4	306·3	June 23, Aug. 15	272·4	238·6	Jan. 23	276·9	276·7	+0·5	737	+ 5
419	Port Arthur	48 27	89 12	196	992·5	1016·7	+ 0·5	281·1	306·3	Aug. 15	271·5	240·2	Jan. 23, Dec. 19	276·3	276·1	+1·4	497	− 92
420	Chicago	41 53	87 37	251	987·6	1017·8	+ 0·9	287·9	309·7	Sept. 2	280·4	253·6	Dec. 18	284·2	284·2	+1·1	803	− 36
421	Toronto	43 40	79 24	116	1003·4	1017·6	+ 1·0	286·2	306·9	Sept. 5	277·0	251·3	Feb. 17	281·6	281·8	+1·3	702	− 93
422	New York (Central Park)	40 47	73 58	47·4	1012·4	1018·2	+ 1·1	289·4	307·4	Aug. 17	280·5	254·1	Feb. 17	285·0	284·6	+0·2	1135	+ 23
423	St. John, N.B.	45 17	66 4	36·2	1010·9	1015·4	+ 0·8	282·0	298·6	Aug. 3	273·9	247·4	Feb. 18, Dec. 20	277·9	277·7	−0·2	1179	− 41
424	S.W. Point, Anticosti	49 24	63 33	9·1	1011·9	1013·0	+ 1·2	277·3	293·0	Aug. 3, 13	271·2	243·6	Feb. 18	274·3	274·4	−0·3	798	+ 9
424a	Sable Island (Main Station)	43 57	60 6	7·6	..	..	..	..	296·9	Aug. 29	..	..	..	..	..	..	..	..
425	Port aux Basques	47 35	59 10	9·1	1011·8	1012·9	+ 0·1	279·0	295·2	Aug. 2	273·0	248·6	Feb. 18	276·0	275·9	−0·4	1437	+ 57
426	St. John's, Newfoundland	47 34	52 42	48·8	..	..	..	..	..	..	..	..	Feb. 18	..	..	..	..	..
430	50°—45°N. 35°—30°W.	††47 31	††32 32	§(444–466)	..	1013·1	..	..	..	Sea Temp. 287·0 | −0·3	..	..	Jan. 25	..	..	..	..
435																		
436	Madrid	40 24	3 41	667	940·6	1017·9	+ 0·6	291·6	308·6	July 30	281·0	270·1	Feb. 7	286·3	285·6	+0·1	418	− 8
437	Nantes	47 15	W 1 34	36·5	1011·7	1016·1	— 0·7	288·1	304·0	May 24	279·9	267·4	Feb. 6	284·0	283·9	−0·2	953	+167
438	Paris (Parc St. Maur)	48 49	E 2 29	50·3	1010·0	1016·2	— 0·5	287·5	306·4	May 24	278·7	263·7	Feb. 8	283·1	283·0	−0·2	757	+195
438a	Marseille	43 18	5 23	75	..	1014·6	— 0·4	292·5	311·6	Aug. 13	281·8	268·0	Feb. 7	287·1	286·7	−0·4	419	−156
439	Zürich	47 23	8 33	493	958·6	1017·3	— 0·4	286·3	306·6	July 6	277·5	257·0	Feb. 7	281·9	281·7	−0·3	1359	+250
440	Rome	41 54	12 27	45·5	1009·4	1014·7	— 0·5	293·7	312·2	Aug. 12	284·2	271·0	Jan. 14, Nov. 29	288·9	288·8	+0·4	863	+ 32
440a	Vienna	48 15	16 22	203	991·2	1015·8	— 0·8	285·0	304·6	July 6	278·1	258·5	Feb. 5	281·5	281·6	−1·0	753	+109
441	Budapest	47 31	19 2	130	999·4	1015·2	— 1·4	287·6	309·7	Aug. 15	278·6	260·2	Feb. 9	283·1	282·7	−0·2	658	+ 20
442	Sofia	42 42	23 20	550	951·3	1016·0	— 0·2	288·8	310·4	Aug. 10	278·4	256·3	Jan. 15	283·6	283·3	+0·4	768	+123
443	Bucharest	44 25	26 6	82	1005·5	1015·5	— 1·3	289·2	312·7	Aug. 10	278·3	257·2	Jan. 26	283·7	283·5	−0·1	662	+ 73
444	Odessa (University)	46 29	30 46	65·3	1007·5	1015·5	— 1·6	..	306·1	July 15	279·4	253·2	Jan. 27	..	282·7	−0·2	384	− 10
444a	Kharkiv (University)	50 0	36 14	140	998·3	1015·4	— 2·5	284·7	309·2	July 17	276·2	252·4	Jan. 26	280·4	280·2	+0·7	657	+156
445	Novorossiisk	44 44	37 49	37·1	1010·8	1015·3	— 0·8	290·0	307·1	July 1	282·4	259·7	Jan. 27	286·2	286·0	+0·4	682	− 13
446	Tiflis	41 43	44 48	404	969·0	1016·4	— 1·1	291·5	307·6	Aug. 4	282·0	265·9	Jan. 29	286·8	286·4	+0·7	507	+ 6
447	Astrakhan	46 21	48 2	— 20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
448	Fort Alexandrovsk	44 31	50 7	— 23·0	..	1016·4	— 1·0	..	312·1	July 28, Aug. 3	..	257·5	Jan. 26	..	284·9	+0·9	145	+ 1
	Krasnovodsk	40 0	52 59	— 5·9	1015·8	1015·1	— 1·4	293·4	312·5	Aug. 10	286·1	269·3	Feb. 8	289·8	289·3	+0·6	111	− 30
449	Kasalinsk	45 46	62 7	67	1009·8	1018·0	— 0·5	..	..	..	276·9	246·9	Jan. 20	..	282·2	+1·9	100	− 15
450	Tachkent	41 20	69 18	478	959·9	1015·6	— 1·4	294·9	313·8	July 24	281·8	261·5	Dec. 31	288·4	287·6	+1·4	276	− 71
451	Narynskoe	41 26	76 2	?2015	..	..	..	..	..	..	..	..	..	..	..	..	..	..
452	Alma Ata	43 16	76 53	841	..	..	..	288·2	307·7	July 25	277·2	252·7	Feb. 10	282·7	282·4	+1·7	495	− 76
461	Moukden	41 48	123 23	43·8	1010·7	1016·1	— 0·4	286·9	311·8	June 21	274·6	241·8	Jan. 13	280·7	280·3	+0·4	733	+101
462	Joshin	40 40	129 11	31·9	1011·4	1015·3	+ 0·5	285·3	306·5	Aug. 18	277·3	253·6	Jan. 20	281·3	281·0	+0·2	928	+222
463	Yiki	42 20	130 24	65·6	1006·9	1015·0	0·0	283·0	304·7	Aug. 18	275·1	251·2	Jan. 22	279·1	278·9	−0·3	739	+ 19
464	Vladivostok	43 7	131 55	128	999·5	1015·4	— 0·4	279·5	301·0	July 22	273·3	243·1	Jan. 13, 14	276·4	276·4	−1·3	776	+206
466	Ochiai	47 20	142 47	27·4	1008·6	1012·0	+ 0·2	279·2	303·6	July 22	269·4	227·0	Jan. 8	274·3	274·5	−0·1	731	−135
466a	Nemuro	43 20	145 35	26·7	1008·9	1012·2	— 0·4	281·9	300·6	Aug. 17 Sept. 5	274·9	251·1	Jan. 27	278·4	278·5	0·0	1124	+165
	Syana	45 14	147 53	39·3	1006·7	1011·6	→ 0·5	280·8	299·9	Aug. 15	273·5	254·2	Mar. 1	277·1	277·3	+0·1	1173	+182

Between Latitude 40° N. and 30° N. YEAR—ZONE 5 (Western Half).

508		N.	W.							Sea Temp.								
511	35°—30° N. 145°—140° W.	††31 18	††141 28	§(186)	..	1022·7	— 0·4	..	..	291·7 | −0·2	..	..	..	..	..	..	..	..
512	San Francisco	37 48	122 26	47·2	1011·4	1017·1	+ 0·2	289·8	305·8	Sept. 8	282·7	273·0	Jan. 19	286·3	285·4	+0·5	653	+ 86
	San Luis Obispo	35 18	120 39	61·3	1009·8	1017·2	+ 0·3	294·1	310·8	June 16	281·1	268·6	Jan. 20	287·6	286·4	+0·3	708	+169
513	San Diego	32 43	117 10	26·5	1012·5	1015·6	+ 0·4	292·6	306·3	Sept. 17	285·4	274·7	Jan. 21	289·0	288·6	+0·1	234	− 7
514	Modena	37 48	113 54	1670	833·6	1015·1	0·0	289·3	310·2	July 14	273·4	247·4	Feb. 2	281·4	281·1	−0·4	293	+ 5
515	Santa Fé	35 41	105 57	2138	787·6	1014·1	+ 0·1	289·0	305·2	Aug. 24	276·0	254·1	Mar. 1	282·5	282·3	+0·3	260	−112
516	Denver	39 45	105 0	1613	837·1	1015·5	+ 0·2	290·2	309·7	June 21	276·7	249·7	Jan. 19	283·4	283·2	+0·5	330	− 32
517	Abilene	32 23	99 40	530	954·8	1015·8	0·0	297·6	313·0	Aug. 3	284·9	260·8	Feb. 28, Mar. 2	291·2	290·7	+0·6	630	+ 18
518	Saint Louis	38 38	90 12	173	996·8	1017·4	+ 0·2	292·3	310·8	Aug. 24	282·7	256·9	Jan. 23	287·5	287·4	+1·2	820	−188
519	Mobile	30 41	88 2	17·4	1015·8	1017·8	+ 0·2	297·9	310·2	June 14	289·4	271·9	Feb. 16	293·7	293·2	+1·5	1796	+209
520	Nashville	36 10	86 47	166	999·2	1019·0	+ 0·7	294·3	308·0	June 16, July 28	283·9	265·2	Dec. 19	289·1	289·1	+0·9	1334	+129
521	Charleston	32 47	79 56	14·6	1017·1	1018·9	+ 0·6	296·4	309·1	June 12, July 30	288·7	269·7	Jan. 26	292·6	292·6	+1·0	1287	+ 58
522	Washington	38 54	77 3	34·1	1014·4	1018·6	+ 0·7	291·4	308·0	July 12	281·7	260·2	Feb. 17	286·6	286·4	+0·9	1192	+118
523	Bermuda	32 17	64 46	46·0	1015·8	1021·2	+ 3·0	297·3	304·1	July, Aug., Sept.	290·6	279·7	Mar. 19	294·0	293·7	−0·8	1368	− 91
524																		
530	Santa Cruz (Flores)	39 27	31 9	40	1017·6	1022·1	+ 0·1	293·5	301·7	July 17	288·4	279·1	Feb. 24	291·0	291·1	+0·5	1441	−145
531	Horta	38 32	28 38	65	1015·1	1022·4	+ 0·6	293·1	303·7	Aug. 18	288·2	279·1	Jan. 22	290·7	290·4	−0·2	871	−221
532	Ponta Delgada	37 44	25 40	22	1020·3	1022·1	+ 0·7	292·7	300·4	Aug. 3	288·6	281·9	Apr. 13	290·6	290·5	+0·2	..	..
532a	Faja da Cima	37 48	25 40	175	..	..	..	..	..	..	..	..	..	..	..	..	953	−191
533	Madeira (Funchal)	32 38	16 55	25	‡1019·3	‡1022·2	+ 2·4	294·3	312·2	Aug. 1	289·0	282·7	Mar. 24	291·6	291·6	+0·4	695	+ 6
534																		
535	Lisbon	38 43	9 9	95	1007·3	1018·6	+ 0·7	292·9	310·3	July 29	285·9	274·6	Dec. 11	289·4	289·1	+0·4	436	−308
535a	Melilla	35 18	2 59	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
536	Gibraltar	36 6	5 21	16·2	1016·4	1018·3	+ 0·3	294·4	308·0	Aug. 7	286·9	278·6	{Jan. 7, 8 | Mar. 23, 24}	290·7	290·3	−0·2	656	−253
536a	Colomb-Béchar	31 36	2 4	769	..	1014·7	..	300·3	317·4	June 29	285·7	270·8	Jan. 3	293·0	292·7	..	45	..
		N.	W.															
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 107 and 108. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* " Remarks," page 108.
†† Mean latitude and longitude of the observations. § Number of observations.

YEAR—ZONE 5 (Eastern Half).

Table representing the Meteorology of the Globe between Latitude 40° N. and 30° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ E.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
537	Palma	39 34	2 39	23	1013·4	1016·1	— 1·2	294·1	308·0	Aug. 13	284·7	272·0	Dec. 24	289·4	..	—1·0	452	—28
538	Algiers (Bouzaréah)	36 48	3 2	342	976·7	1015·8	— 0·9	292·7	315·9	Aug. 8	286·3	276·1	Jan. 5, Mar. 24	289·5	289·2	+0·3	462	—235
539	Tunis	36 48	10 10	21	1013·3	1015·8	..	297·2	316·8	Aug. 8	287·1	274·1	Jan. 6	292·1	291·7	+1·4	207	—152
539*a*	Malta	35 54	14 31	56·4	..	1015·6	+ 0·6	294·4	306·9	Aug. 9	289·3	277·8	Jan. 6	291·8	291·1	—0·1	300	—204
540	Riposto	37 41	15 14	14·2	..	1017·0	0·0	294·5	307·8	Aug. 10	287·9	276·3	Nov. 29	291·2	290·3	—0·4	357	—342
541	Athens	37 58	23 43	107	1001·5	1014·1	— 0·8	295·4	314·8	Aug. 13	287·3	274·4	Dec. 13	291·3	291·0	+0·7	..	..
542	Alexandria	31 12	29 53	32·0	1010·9	1014·6	0·0	299·0	309·2	Oct. 22	290·4	280·6	Jan. 23	294·7	294·5	+1·2	188	—15
543	Nicosia (P.W.D.)	35 9	33 22	159	993·6	1012·0	— 0·7	298·9	313·0	Aug.	285·9	273·6	Jan. 12	292·4	..	+0·7	300	—93
544	Beirut	33 54	35 28	33·7	..	1012·8	— 0·9	296·8	310·0	Oct. 28	290·7	279·6	Mar. 1	293·7	293·6	+0·3	860	—48
545	Hinaidi (Baghdad)	33 17	44 29	32·3	..	1011·2	— 0·9	..	..	..	..	..	..	..	..	..	..	—87
546	Lenkoran	38 46	48 52	—20·0	1018·3	1015·9	— 1·2	..	..	..	284·3	271·9	Feb. 9	..	287·8	+0·3	970	..
547	Tehran	35 41	51 25	1220	..	..	..	..	310·3	July 8	..	..	..	..	..	..	..	+121
548	Meshed	36 16	59 35	946	..	..	..	294·9	310·6	Aug. 7	279·3	259·2	Dec. 30	287·1	..	+0·8	354	..
549	Seistan	31 0	61 30	?	..	..	..	301·1	317·0	June 18	286·8	270·3	Feb. 10, 11	293·9	..	..	61	—124
550	Quetta	30 11	67 3	1677	832·5	..	— 0·2	296·9	312·1	July 17	279·9	265·8	Dec. 25, 26	288·4	288·2	+0·5	130	—15
551	Peshawar	34 2	71 37	339	971·5	1010·5	— 0·3	302·9	321·6	June 19, July 16	288·5	273·4	Dec. 31	295·7	295·1	+0·3	325	—31
551*a*	Lahore	31 34	74 20	214	984·0	1008·6	— 0·2	304·3	318·5	June 18	290·7	275·9	Dec. 31	297·5	297·0	+0·3	468	+452
552	Simla	31 7	77 8	2205	780·8	..	+ 0·4	288·6	298·8	June 19	282·9	271·1	Dec. 23	285·8	285·6	—0·5	2055	— 5
552*a*	Leh	34 10	77 42	3503	666·1	..	0·0	285·3	301·4	Sept. 3	272·2	255·9	Dec. 26	278·7	277·8	—0·2	79	..
559	Hankow	30 35	114 17	37·0	1012·1	1016·5	— 0·5	295·2	311·2	July 19	286·5	264·0	Jan. 18	290·9	290·5	+0·7	737	—494
560	Tientsin	39 10	117 10	5·0	1016·2	1016·8	— 0·5	291·5	315·9	July 10	280·5	255·8	Jan. 19	286·0	285·6	+0·4	352	—181
561	Shanghai (Zi-ka-Wei)	31 12	121 26	7	..	1015·8	— 0·6	294·3	311·4	July 14	284·8	264·5	Jan. 20, 21	289·6	288·6	+0·5	1161	+615
562	Jinsen (Chemulpho)	37 29	126 37	67·6	1008·5	1017·7	+ 1·4	288·3	308·5	Aug. 16	280·2	256·6	Jan. 20	284·3	283·7	0·0	1609	+740
562*a*	Nagasaki	32 44	129 52	133	999·6	1015·3	— 0·1	293·1	308·4	Aug. 15	285·2	269·4	Jan. 20	289·1	288·8	+0·1	2696	—305
563	Kyoto	35 1	135 44	42·9	1010·2	1015·4	+ 0·7	293·8	309·3	Aug. 14	282·5	266·1	Jan. 20	288·1	287·5	+0·8	1273	—111
564	Tokyo	35 41	139 46	5·8	1011·8	1012·5	— 1·6	292·5	308·7	Aug. 7	283·2	264·9	Jan. 22	287·9	287·5	+0·7	1411	—253
565	Kanayama	37 53	140 46	24·6	1011·2	1014·2	+ 0·1	290·4	308·5	Aug. 18, 19	280·4	263·3	Jan. 26	285·4	285·0	+0·7	1234	+260
566	Miyako	39 38	141 59	30·4	1009·7	1013·4	— 0·2	289·2	308·9	Aug. 20	279·0	258·5	Feb. 1	284·1	283·5	+0·5	1680	..

YEAR—ZONE 6.

Between Latitude 30° N. and 20° N.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
601	Midway Island.	28 15	177 22	5·8	..	1017·6	— 0·1	298·8	305·2	July 6	291·7	283·6	Jan., Mar., Dec.	295·3	294·8	..	1144	..
605	Honolulu	21 19	157 52	11·6	1015·8	1017·1	+ 0·4	299·3	302·4	Sept.	294·2	289·7	Jan.	296·8	296·5	+0·1	511	—292
614	La Paz	24 9	110 20	12	1010·3	1011·7	..	302·5	314·0	July 12	289·3	277·2	Mar. 11	295·9	..	..	86	..
615	Chihuahua	28 38	106 4	1423	859·7	1012·1	..	297·2	308·5	June 11	285·7	266·2	Jan. 14	291·5	292·2	..	269	—127
616	Leon	21 7	101 41	1809	822·0	1010·5	— 0·3	300·2	308·5	May 21	283·9	274·0	Dec. 21, 24, 27	292·0	292·1	+0·4	616	+202
616*a*	Monterry	25 40	100 18	528	954·1	1013·6	+ 0·1	300·6	312·2	Apr. 13	289·1	271·8	Mar. 1	294·8	294·7	+0·2	698	—84
617	Tulancingo	20 5	98 22	2180	791·1	..	..	295·3	305·0	May 9	282·1	273·0	Jan. 13	288·7	287·9	—0·4	463	+173
618	Galveston	29 18	94 50	16·5	1015·0	1017·1	0·0	297·3	306·3	Aug. 2	291·7	273·6	Mar. 3	294·5	294·3	+0·7	1245	+ 25
618*a*	New Orleans	29 57	90 4	16·2	..	1017·3	+ 0·2	299·0	308·6	June 24	291·1	274·7	Feb. 8, Mar. 3	295·1	294·6	+1·3	1457	..
619	Merida, Yuc.	20 58	89 38	22	1014·0	1016·5	0·0	303·9	308·8	May 19	294·6	284·0	Feb. 11	299·2	298·6	+0·6	944	+152
620	Havana	23 8	82 21	24·3	..	1017·4	+ 1·2	302·5	306·8	Aug. 12	294·8	287·5	Dec. 30	298·6	298·1	+0·6	1250	+142
620*a*	Key West	24 33	81 48	6·7	1016·2	1016·9	+ 0·4	301·3	305·8	Jun. 21, Aug. 10	295·8	284·1	Feb. 8	298·6	298·1	+0·7	1108	— 74
621	Nassau, Bahamas	25 5	77 21	3·7	..	..	..	..	..	..	..	..	..	..	..	..	1222	..
622	Watling Island	24 6	74 26	33·5	..	..	..	..	..	..	..	..	Jan. 14	..	..	..	..	..
633	Izaña	28 19	16 30	2367	768·7	..	..	285·7	300·6	July 30, 31	278·4	265·7	Feb. 16	282·1	281·8	+0·2	570	+340
634	La Laguna	28 28	W16 20	547	955·4	1018·7	+ 1·6	293·5	312·5	July 31	284·8	275·7	Apr. 2	289·2	288·6	—0·4	934	..
641	Siwa	29 12	E25 29	— 23	1017·6	1014·9	..	302·6	317·3	June 16	285·8	271·0	Jan. 8	294·2	..	..	6	..
642																		
643	Cairo (Helwan)	29 52	31 20	116	1000·4	1013·8	0·0	301·2	313·4	June 21	288·4	277·8	Dec. 17	294·8	294·6	+0·4	13	— 21
643*a*	Aswan	24 2	32 53	99·6	1000·2	1011·6	— 0·1	307·9	320·8	June 7	291·9	277·0	Jan. 12	299·9	299·3	+1·1	..	..
644	Tor	28 14	33 37	1·9	..	..	..	..	315·2	Sept. 8	..	278·5	Dec. 4, 18	..	..	..	..	—202
647	Bushire	28 59	50 53	4·3	1009·3	1009·9	— 0·6	301·0	318·6	Aug. 1	293·8	280·4	Feb. 15	297·4	296·8	+0·4	75	— 0
648	Jask	25 44	57 47	4·0	1008·2	1008·7	— 1·3	304·5	318·1	June 3	296·6	286·9	Jan. 3	300·6	300·0	+0·9	98	..
649	Karachi	24 53	66 57	4·0	1009·0	1009·5	— 0·2	302·2	313·4	May 18	295·1	283·0	Jan. 2	298·6	298·0	+0·2	51	—142
650	Jacobabad	28 17	68 29	56·7	1002·2	1008·6	+ 0·3	306·5	322·1	May 24	292·6	276·6	Jan. 3	299·6	299·0	—0·4	4	—164
651	Jaipur	26 56	75 52	436	960·9	1009·9	+ 0·1	305·4	318·3	May 20	291·3	275·3	Jan. 4	298·3	297·7	—0·3	451	—106
652	Nagpur	21 8	79 5	310	974·8	1009·8	+ 0·2	306·2	318·1	May 21	293·0	280·1	Dec. 27	299·9	299·4	0·0	1085	+106
653	Allahabad	25 25	81 51	94·1	998·5	1008·8	+ 0·4	305·6	320·3	May 21	..	278·1	Jan. 4	..	‡296·8	..	1145	..
653*a*	Darjeeling	27 3	88 18	2266	775·8	..	0·0	288·7	295·1	July 9	282·4	273·1	Feb. 1 / Dec. 24, 26	285·6	285·4	+0·9	2833	+541
654	Calcutta	22 36	88 23	6·4	1007·7	1008·5	— 0·6	304·1	312·7	Apr. 17	294·6	283·4	Feb. 2	299·3	299·1	+0·5	2110	+394
655	Gauhati	26 8	91 41	59·7	1003·5	1010·3	— 0·4	303·1	310·6	Apr. 18	292·5	280·6	Dec. 27	297·8	297·0	+0·7	1314	+181
655*m*	Cherrapunji	25 15	91 42	1314	867·5	..	— 0·2	294·0	299·7	Sept. 15	288·1	278·8	Feb. 2	291·1	290·5	+0·9	10653	+6083
655*a*	Akyab	20 11	92 56	6·1	1008·3	1009·1	— 1·0	..	308·2	Apr. 12	294·9	283·7	Feb. 3	..	‡297·2	..	5970	+1178
656	Mandalay	21 59	96 0	76·2	1001·3	1009·9	— 0·4	306·9	315·5	Apr. 18	295·3	283·4	Feb. 8	301·1	300·5	+0·3	1072	—194
656*a*	Tengyueh	25 2	98 33	1625	834·0	1007·4	0·0	294·3	300·8	May 17	282·9	269·7	Feb. 11	288·6	287·9	+0·2	1636	—178
657	Phu-Lien	20 48	106 38	116	997·5	1010·8	— 0·6	300·0	311·8	May 30	293·5	279·5	Dec. 6	296·8	296·2	+0·3	1395	—241
658	Moncay	21 31	107 51	9	1010·0	1011·1	— 0·5	299·9	309·9	May 30	292·5	276·0	Nov. 27	296·2	296·4	+0·2	2604	+1176
659	Hongkong	22 18	114 10	33·2	..	1011·8	— 0·8	298·1	306·9	Aug. 2	293·4	279·5	Nov. 26	295·7	295·4	+0·3	1764	+ 70
660	Amoy	24 27	118 4	ca.3	1011·6	1011·9	— 1·3	297·1	306·9	Aug. 1, 12	292·5	279·7	Feb., Nov., Dec.	294·8	294·5	0·0	1311	..
661	Taihoku, Formosa	25 2	121 31	9·3	1012·1	1013·2	— 0·4	299·0	309·5	Aug. 12	291·6	274·1	Nov. 27	295·3	294·8	+0·2	2433	+357
661*a*	Basco	20 28	121 59	18·7	1006·7	1009·1	— 1·1	301·5	?307·1	May 18, 25	296·2	289·5	Mar. 25	298·9	299·0	+0·3	3309	+1292
662	Naha	26 13	127 41	10·5	1012·1	1013·3	— 0·4	298·6	306·8	July 1, 3	292·1	281·8	Dec. 30	295·3	295·0	—0·1	2661	+1358
665	Titizima (Bonin Islands)	27 5	142 11	4·0	1013·9	1014·4	+ 0·2	298·0	305·4	Aug. 5	292·8	281·6	Jan. 6	295·4	295·2	—0·4	1752	..
		N. ° ′	E. ° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed see pages 109 and 110. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 110.

Table representing the Meteorology of the Globe between Latitude 20° N. and 10° N.

YEAR—ZONE 7.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ N.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
715	Colima	19 11	103 45	495	955·9	1011·1	..	303·6	308·6	Nov. 17	293·2	284·0	Dec. 20	298·4	297·3	..	711	..
716	Morelia	19 42	101 7	1923	811·1	1011·8	..	296·2	303·6	Apr. 17	284·8	278·1	Oct. 13	290·5	289·8	..	761	..
717	Mexico, Tacubaya	19 24	99 12	' 2309	775·5	..	+ 0·3	297·1	305·9	Apr. 17	280·9	273·0	Jan 13, Oct. 12	289·0	288·2	+0·3	801	+165
718	Salina Cruz	16 12	95 12	56	1005·0	1011·4	..	303·2	308·7	May 13	296·6	291·2	Jan. 13	299·9	300·0	+0·4	740	—191
719	San Salvador	13 42	89 13	682	937·2	1012·9	+ 0·6	304·6	309·0	Apr. 17, 28, 29	290·0	284·0	Jan. 4	297·3	295·7	—0·5	1566	—216
720	Belize	17 29	88 12	5·2	1012·6	1013·1	— 0·8	..	..	..	295·4	286·3	Jan. 14	..	‡298·6	+0·6	1473	—878
721	Jamaica (Negril Point)	18 15	78 23	10·1	..	1013·7	+ 0·6	303·3	306·3	Dec. 8	294·3	290·2	Feb. 13	298·8	298·7	0·0	1495	+111
722	Port au Prince	18 33	72 20	37·4	1010·9	1015·2	+ 0·7	305·0	309·4	July 16	294·8	291·1	Mar. 7	299·9	299·3	+0·1	1220	—151
724	Caracas	10 30	66 55	1042	899·8	1014·4	+ 1·0	298·4	302·8	Apr. 7	288·1	283·6	Jan. 11, Feb. 18	293·3	292·0	—0·7	744	— 63
724*a*	Montserrat	16 41	62 9	39·6	1010·5	1015·1	+ 0·1	..	309·7	June 12, July 6	295·4	291·3	Jan. 7, 27	..	..	..	1788	+190
725	Grenada (Richmond Hill)	12 5	61 46	155	†995·1	‡1013·0	+ 0·4	301·7	305·2	Oct. 31, Nov. 3	290·1	293·0	Mar. 11	298·9	298·4	—0·1	1685	—249
	Barbados	13 8	59 36	55·2	..	1014·0	+ 0·2	302·1	304·3	Aug. 10, 12 17	295·7	290·7	Jan. 8	298·9	298·3	+0·2	1033	—360
731	São Vicente, C. Verde Is.	16 54	25 4	11	1012·7	1014·1	— 0·1	298·2	302·5	Sept. 11, Oct. 8	291·9	285·2	Mar. 5	295·0	296·0	—0·5	45	—103
732	San Tiago, C. Verde Is.	14 54	23 31	34	1010·1	1014·0	— 0·4	300·0	305·6	Apr. 9	295·1	290·0	Feb. 16	297·5	297·7	0·0	168	—120
734	Bathurst	13 27	16 34	1·8	..	1013·6	+ 0·2	303·2	308·6	Mar. 2, 29	292·8	287·4	Jan. 5, 14	298·0	298·0	—0·4	1160	— 49
735	M'Carthy Island	13 33	14 45	1·1	..	..	..	308·2	316·9	May. 2	293·6	284·7	Jan. 5	300·9	..	—0·4	724	—218
735*a*	Niénébalé	12 57	7 26	300	..	..	..	..	..	..	..	..	..	..	..	..	..	..
736	Ségou	13 34	6 17	250	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Timbuktu	16 43	W 3 2	270	..	..	..	..	..	..	..	..	..	..	..	..	787	..
737	Sokoto	13 2	E 5 14	353	..	..	..	308·8	317·4	Mar. 28	293·9	285·2	Jan. 4, / Dec. 15, 22	301·4	300·9	+0·4	901	+256
738	Kaduna Capital	10 32	7 25	637	..	..	..	..	..	..	..	..	..	..	..	..	..	..
739	Hadeija	12 40	10 5	?	..	..	..	..	..	..	..	..	..	..	..	..	..	..
740	Maiduguri	11 47	13 11	361	..	..	..	310·1	319·1	Mar. 20, 30, 31 / April 1, 22, 24	293·4	283·0	Jan. 1, / Dec. 28, 29	301·7	301·3	+0·5	451	—139
741	El Fasher	13 32	25 18	730	..	..	..	307·6	314·9	Apr. 2, 23	287·4	276·8	Feb. 13	297·5	297·0	..	546	..
743	El Obeid	..	..	..	..	..	..	307·6	315·0	Apr. 2, 22, 23	..	279·9	Jan. 13	..	..	..	379	+ 23
743*a*	Khartoum	13 11	30 14	569	..	..	..	308·8	317·5	June 4	294·3	283·0	Jan. 12	301·5	301·7	—0·5	366	+221
744	Port Sudan	15 37	32 33	390	965·3	1008·3	— 0·8	306·8	318·0	June 22	296·8	288·1	Mar. 2	301·8	301·3	+0·5	41	— 58
745	Berbera, Somaliland	19 37	37 13	5·5	1009·4	1010·1	+ 0·1	308·0	319·7	June 23	296·7	287·4	Jan. 21	302·6	303·5	—0·3	20	— 45
746	Aden	12 45	45 3	28·7	1007·5	1010·8	— 0·2	303·5	308·8	June 3, 20	297·8	288·9	Feb. 9	300·7	300·2	—0·6	33	— 20
751	Bombay	18 54	72 49	11·3	1009·2	1010·3	— 0·5	303·4	307·4	May 2	297·0	288·7	Jan. 3	300·2	299·6	+0·2	1789	— 19
752	Kodaikanal	10 14	77 28	2343	770·3	..	— 0·6	291·9	297·4	Apr. 25	283·2	275·7	Dec. 30	287·6	286·7	+0·4	2197	+618
752*a*	Bangalore	12 59	77 38	920	910·2	1010·8	— 0·2	302·4	309·6	Apr. 3	290·8	284·1	Nov. 20	296·6	295·9	+0·2	873	— 19
753	Madras	13 4	80 14	6·7	1009·2	1010·0	— 0·4	306·1	316·2	May 5	296·9	289·2	Feb. 27	301·5	300·8	+0·1	1670	+404
754	Vizagapatam	17 42	83 19	11·6	1007·8	1009·1	— 0·3	304·3	312·1	May 23, 25	297·7	289·5	Dec. 29	301·0	300·4	+0·4	680	—267
755	Port Blair	11 40	92 40	18·0	1007·4	1009·4	— 1·1	302·6	306·1	Apr. 16	297·4	293·7	Jan. 18	300·0	299·4	—0·7	3561	+588
756	Rangoon	16 46	95 48	5·5	1009·8	1010·4	— 0·3	304·7	310·9	Apr. 15	296·3	288·9	Jan. 17	300·5	299·4	+0·2	2627	+110
757	Saigon	10 47	106 42	11	1007·8	1009·0	— 0·3	304·7	310·5	Mar. 6	296·4	290·8	Nov. 27	300·5	300·0	—0·1	2095	+128
758	Nhatrang	12 15	109 12	3·6	1008·7	1009·1	— 0·4	303·4	311·1	Aug. 7	296·0	291·7	Jan. 23	299·7	299·2	—0·1	2138	+768
759	Bolinao	16 23	119 53	7·1	1006·1	1006·9	— 1·4	305·2	310·7	Apr. 13	296·4	291·2	Nov. 28	300·8	300·0	—0·1	2002	—541
761*a*	Vigan	17 34	120 23	12·2	..	1008·2	— 1·0	304·7	308·9	May 24	296·6	291·1	Jan. 7	300·7	300·4	+0·4	1754	—837
762	Manila	14 35	120 59	14·2	..	1009·1	— 0·3	304·9	309·6	Apr. 3, 22	295·7	290·1	Feb. 9	300·3	299·4	—0·2	1878	—144
765	Ormoc	11 0	124 36	5·6	1007·2	1007·9	— 0·5	304·9	307·9	Apr. 6	295·5	290·3	Feb. 12	300·2	299·7	+0·6	2672	+448
	Guam, Ladrone Is.	13 24	144 38	20·4	1005·4	1008·0	— 0·6	302·9	306·0	May 28	297·4	295·0	Dec. 25	300·1	300·0	—0·1	2182	—158
		N.	E.															

Between Latitude 10° N. and 0°.

YEAR—ZONE 8.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		N.	W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
805	Fanning Island	3 54	159 23	5·3	1010·3	1011·0	..	..	..	..	..	..	..	..	‡301·6	+0·4	1886	—909
821	Colon	9 23	79 23	11·0	..	1011·0	— 0·1	303·3	306·3	Oct. 14	297·5	295·2	Jan. 11	300·4	300·0	+0·7	2442	—793
822	Bogota	4 36	74 6	2645	..	..	..	..	..	..	..	..	..	..	..	..	1083	+ 26
822*a*	Merida, Venez.	8 36	71 9	1641	‡841·8	..	+ 0·2	296·7	302·0	July 29, 30	287·9	284·0	Jan. 9	292·3	291·2	—0·1	2294	+457
823	Ciudad Bolivar	8 9	63 33	38	..	..	..	305·3	309·2	Apr. 23	296·5	292·7	July 28	300·9	300·3	..	777	—135
824	El Peru, Guayanavieja	7 19	61 49	220	986·0	1011·0	+ 0·3	302·4	305·3	Mar. 31	292·6	289·7	June 30, July 28	297·5	296·9	—0·9	1680	+292
825	Georgetown, Brit. Guiana	6 50	58 12	1·8	..	1013·6	+ 1·0	302·2	304·9	Nov. 16	297·1	295·2	Jan., Apr., Dec.	299·7	299·5	—0·3	2590	+337
826	Paramaribo	5 49	55 9	3·7	‡1013·6	‡1014·0	+ 1·1	303·5	307·1	Nov. 1	295·5	293·5	Apr. 12	299·5	299·2	+0·8	2427	+143
	Cayenne	4 56	52 21	6	..	..	..	..	311·0	Aug. 19, / Sept. 10, 18	..	..	..	..	..	..	..	..
831	10°—5° N. 30°—25° W.	††7 17	††27 18	§(781–786)	..	1012·7	+ 0·2	..	..	Sea Temp.	..	..	..	..	..	..	..	..
833	Konakri	9 31	13 43	16	..	..	..	..	..	299·0	—0·3	..	..	..	298·6	—0·4	..	..
834	Freetown, Sierra Leone	8 29	13 9	68·3	1004·4	1012·3	+ 0·9	303·3	308·0	Mar. 9, 16	296·2	291·3	Dec. 13	299·8	298·9	—0·3	4270	—118
835	Assuantsi	5 18	1 15	101	..	..	..	302·4	306·3	Feb., Mar., Apr.	294·2	288·6	Aug. 12	298·3	297·8	..	3909	— 84
837	Accra	5 33	W 0 12	27·0	..	1011·9	..	303·0	306·3	Mar. 18	296·0	291·3	Jan., Aug., Dec.	299·5	299·0	+0·5	1378	..
838	Lagos	6 27	E 3 24	4·6	1011·7	1012·2	— 0·5	303·1	306·5	Mar. 13	296·9	292·4	Aug. 12	300·0	299·6	—0·1	705	+ 13
839	Zungeru	9 48	6 10	130	..	..	..	..	313·0	Mar. 12, 10, 25	..	284·7	Dec. 11, 14	..	..	..	2145	+325
841	Yola	9 12	12 30	259	..	..	..	307·1	314·7	Mar. 20	..	..	..	..	‡300·0	—0·2	..	..
	Wau	7 42	28 3	440	..	..	..	..	316·0	Apr. 9	..	285·0	Jan. 27	..	..	..	997	+ 48
843	Malakal (Kodok)	9 35	31 37	394	965·2	1009·2	+ 0·2	..	..	..	..	..	..	..	..	..	1208	+120
843*a*	Mongalla	5 11	31 47

YEAR—ZONE 9.

Table representing the Meteorology of the Globe between Latitude 0° and 10° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
905	Malden Island	4 1	155 1	7·9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
924	Manaos	3 8	60 1	43·8	..	..	..	303·5	307·8	Oct. 23	296·0	292·6	July 2	299·7	*299·0*	−1·2	1783	+ 139
926	Taperinha	2 30	54 20	20·0	1009·2	1011·4	0·0	303·6	307·9	Oct. 22	295·4	292·9	Dec. 21	299·5	*298·3*	+0·1	2292	..
927	Turyassu	1 43	45 26	15·1	1009·6	1011·3	+ 0·1	304·5	308·8	Nov. 28	295·1	292·2	June 11	299·8	*299·0*	0·0	2257	— 80
928	Barra do Corda	5 30	45 16	81·0	1000·6	1009·9	− 0·7	305·0	310·4	Nov. 17	..	..	..	..	*298·4*	0·0	1017	+ 643
929	Quixeramobim	5 16	39 15	207	989·3	1012·6	+ 0·5	..	308·6	Nov. 18, 21	296·2	292·2	July 7	..	*299·9*	−0·5	1278	+ 166
930	Fernando Noronha	3 50	W32 25	106	1000·4	1012·2	− 0·6	301·0	302·8	Feb. 8	296·8	293·9	June 15	298·9	*298·4*	+0·3	1311	..
939	Loanda	8 49	E 13 13	59·3	..	1014·9	+ 2·5	298·5	304·2	May 7	294·3	289·0	Aug. 4	296·4	296·2	−0·3	326	+ 10
940	Brazzaville	4 17	15 16	320	978·1	1014·3	+ 1·8	303·9	311·0	Mar. 13, 28	293·0	287·0	{July 1, 7 / Aug. 4, 6}	298·5	*297·8*	0·0	1322	+ 107
943	Masaka	0 21	31 47	?1280	..	..	..	303·1	310·8	Feb. 7	..	..	..	..	*292·6*	0·0	1141	+ 119
944	Nairobi (Dept. Agric.)	1 17	36 50	1675	..	..	..	297·4	303·6	Feb. 8	285·8	278·6	July 17, Aug. 18	291·6	..	..	973	+ 56
944*a*	Zanzibar	6 10	39 11	21·9	1013·1	1015·7	+ 0·1	301·8	305·7	Feb. 23, Mar. 23	297·7	293·3	July 7	299·7	*299·1*	−0·1	1361	− 26
945	Lamu	2 16	40 50	3·1	..	..	..	301·6	304·7	{Mar. 29 / Apr. 1, 2, 4}	297·5	293·6	July 5	299·6	*299·2*	−0·5	958	− 94
947	Seychelles, Port Office	4 37	55 27	4·6	1011·5	1011·9	0·0	..	..	..	298·4	294·9	Jan. 1	..	‡*300·6*	+0·1	1459	..
957	Padang	0 56	100 22	6·7	..	1010·1	− 0·6	..	..	..	..	..	..	..	..	..	4242	− 200
958	Batavia	6 11	106 50	8·0	1008·6	1009·5	− 0·4	303·5	306·7	Sept. 23	296·4	293·8	Sept. 18	299·9	299·4	+0·3	1634	− 45
958*a*	Pontianak	0 1	109 20	2·6	..	1010·2	+ 0·3	..	..	..	..	..	..	..	..	..	2740	+ 226
959	Pasuruan	7 38	112 55	5·0	..	..	..	..	..	..	..	..	..	..	..	..	1535	..
960	Kajoemas	7 56	114 9	1060	..	..	..	..	..	..	..	..	..	..	..	..	2511	− 247
962	Amboina	3 42	128 10	4·2	..	1009·3	− 0·4	..	..	..	..	..	..	..	..	..	3176	..
963	Manokwari	0 52	134 20	19·0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
965	Daru	9 4	143 13	7·6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
966	Port Moresby	9 29	147 9	39·0	..	1009·9	− 0·2	303·2	..	..	296·6	..	..	299·9	*299·4*	+0·1	1113	+ 79
967	Rabaul	4 9	152 12	20·7	..	1008·1	..	305·6	308·9	Sept. 10	295·8	293·1	Nov. 17	300·7	*300·1*	+0·3	2209	− 88
968	Rendova	8 30	157 12	1·8	..	..	..	..	..	..	..	..	..	..	..	..	3634	+354
969	Tulagi, Brit. Solomon Is.	9 6	160 10	2·1	1009·4	1009·7	+ 0·6	304·0	306·9	Dec. 25	297·5	295·1	May 12	300·8	*300·5*	+0·3	5383	− 715
970	Ocean Island	0 52	169 35	54·0	1001·5	1007·6	− 0·1	303·8	305·2	5 months	297·9	294·7	Nov. 20	300·9	*300·2*	0·0	1410	..

YEAR—ZONE 10.

Between Latitude 10° S. and 20° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1002	Apia, Samoa	13 48	171 46	2	..	1011·0	+ 0·7	302·4	305·9	Apr. 22	297·1	292·1	July 14	299·7	299·4	+0·5	3148	+ 361
1003	Alofi, Niue Island	19 2	169 55	36·6	..	..	..	302·2	308·0	Feb. 27, Mar. 9	295·1	288·6	July 11, 12, 13	298·6	*298·4*	+0·6	2215	+ 197
1021	Arequipa	16 22	71 33	2451	761·2	..	+ 0·3	292·6	297·9	Jan. 24	282·9	278·6	Aug. 18, Sept. 4	287·8	*287·4*	+0·4	170	+ 64
1022	Tacna	18 0	70 18	560	..	..	..	..	..	..	284·6	280·0	{June 16 / July 4, 5}	..	*290·9*	..	13	..
1023																		
1024	Sucre, Bolivia	19 3	65 16	2848	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1025	Corumba	18 59	57 39	116	997·8	1010·8	+ 0·7	303·4	312·2	Sept. 18	292·8	277·6	July 3	298·1	*297·8*	−0·2	991	− 165
1026	Cuyaba	15 36	56 6	165	992·1	1010·9	+ 0·5	305·4	312·0	Sept. 15	293·4	280·3	July 4	299·4	*298·1*	−1·4	1229	+ 105
1027	Bello Horizonte	19 55	43 57	895	915·4	1014·3	− 0·2	299·6	305·2	Jan. 4, 31	288·8	280·0	June 15	294·2	293·7	+0·5	1723	+ 105
1028	Caetite	14 3	42 37	897	..	..	..	..	..	..	..	..	..	..	..	..	2068	..
1029	Ondina (Bahia)	13 0	38 31	46·6	1008·5	1013·9	− 0·3	300·8	305·0	Feb. 18	295·5	292·1	Aug. 21	298·2	*298·0*	+0·2	..	..
1030	Aracaju	10 54	37 3	4·0	..	..	..	..	..	..	..	..	..	..	..	..	1061	+ 43
1035	St. Helena	15 57	W 5 40	‡604	946·7	1015·8	+ 1·0	294·1	300·6	Feb. 18	286·2	283·3	July 6	290·2	*289·8*	+0·5	..	..
1039	Mossamedes	15 12	E 12 9	12·5	..	..	..	296·7	..	..	..	..	..	..	..	..	..	..
1041	Elisabethville	11 39	27 28	1236	878·5	1011·5	+ 0·8	302·7	309·1	Oct. 1	285·6	276·3	July 6	294·1	..	+0·6	1044	− 111
1042	Gwelo	19 28	29 48	1417	862·4	1014·0	− 0·4	300·5	309·6	Dec. 15	285·1	275·8	June 24	292·8	..	+1·3	313	− 200
1043	Salisbury Gaol, Rhodesia	17 48	31 5	‡1468	‡854·2	‡1011·0	− 1·0	300·4	308·3	Jan. 19	284·6	272·9	June 22, 23	292·5	*291·5*	+1·0	605	− 69
1044	Zomba	15 23	35 18	955	908·2	1012·9	− 0·3	300·2	310·2	Nov. 7	289·1	281·9	July 17	294·7	*294·3*	+0·9	687	..
1045	Antananarivo	18 55	47 32	1400	..	..	..	..	..	..	..	..	..	..	..	..	2451	..
1046	Tamatave	18 10	49 24	5	..	..	..	..	..	..	..	..	..	..	..	..	1222	..
1047	Vohémar	13 21	50 1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1048	Antalaha	14 58	50 19	3	..	1011·7	..	..	..	..	..	..	..	..	..	..	1766	− 342
1055	Cocos Keeling Is.	12 5	96 53	4·6	1012·5	1013·0	+ 1·0	301·4	305·8	Dec. 23	297·8	..	..	299·6	*299·3*	−0·2	2176	− 24
1057	Christmas Island	10 25	105 43	5·5	1007·9	1008·5	− 0·3	303·8	306·9	Jan., Mar.	296·6	293·0	July	300·2	*299·4*	+0·1	1483	+ 153
1061	Kupang	10 10	123 34	45·1	..	1010·1	− 0·2	304·6	310·6	Oct. 31	295·4	288·9	Aug. 7	300·0	299·4	..	520	+ 32
1061*a*	Derby	17 18	123 40	16·2	1009·2	1011·1	− 0·1	306·3	315·8	Nov. 6, 18	294·7	281·9	July 4	300·5	..	+0·1	848	+ 31
1062	Hall's Creek	18 13	127 46	374	969·1	1011·3	− 0·3	305·7	315·7	Nov. 18	290·4	..	..	298·1	*297·5*	−0·5	1888	+ 24
1063	Darwin	12 28	130 51	29·6	1006·4	1009·8	+ 0·3	305·3	309·8	Oct. 29, Nov. 1	296·2	286·8	July 2	300·7	*299·6*	−0·4	908	+ 7
1064	Daly Waters	16 16	133 23	211	984·8	1008·5	− 1·5	306·4	315·2	Nov. 21	291·8	276·3	July 11	299·1	*298·5*	−0·8	1234	+ 8
1065	Mein	13 13	142 47	122	994·8	1008·6	− 0·8	304·1	310·3	Dec. 17	292·7	281·9	July 29, Aug. 6	298·4	..	−0·8	764	+ 1
1066	Georgetown, Queensland	18 22	143 32	302	977·5	1011·7	0·0	304·8	312·6	Nov. 30	290·7	273·7	July 29	297·8	..	−0·4	891	+ 114
1066*a*	Willis Island	16 18	149 59	8·5	1010·1	1011·0	..	300·9	306·4	Dec. 19	296·8	292·3	Aug. 5	298·9	*298·5*	−0·1	3191	+ 1145
1067	Samarai	10 37	150 40	15·2	..	..	..	302·1	..	..	..	..	..	..	*‡299·9*	−0·1	4016	+ 1145
1072	Suva, Fiji	18 8 S.	178 26 E.	6·1	1011·5	1012·2	− 0·5	301·8	305·8	{Jan. 26, 31 / Dec. 22}	293·4	285·8	Nov. 2	297·6	*297·4*	−0·4	mm.	mm.
		° ′	° ′		mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.		

* For formulæ employed *see* pages 111 and 112. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks," page 112.

Table representing the Meteorology of the Globe between Latitude 20° S. and 30° S.

YEAR—ZONE 11.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1105	Rarotonga (Avarua)	21 12	159 47	6	..	..	..	299·8	306·1	Feb. 8	294·4	286·9	Aug. 14, 23	297·1	*296·9*	+0·5	2234	+265
1121	Punta Tortuga, Coquimbo	29 56	71 21	27	1013·5	1016·7	+ 0·5	290·0	296·0	Jan. 29	285·2	279·5	July 22	287·6	*287·5*	+0·2	132	+ 7
1122	Iquique	20 12	70 11	9	1014·3	1015·4	+ 0·3	293·4	301·0	Jan. 28	287·2	282·8	July 4, Sept. 6	290·3	*290·7*	−0·4	1	0
1123	Catamarca	28 27	65 47	510	953·9	1011·9	+ 0·9	299·9	317·8	Feb. 17	285·9	269·7	June 23	292·9	292·2	−1·0	427	+ 71
1124	Salta	24 46	65 28	1178	880·9	1010·3	− 1·1	296·9	307·6	Oct. 6	283·8	267·0	June 24, July 3	290·3	290·1	−0·5	750	+ 42
1125	Goya	29 9	59 15	26	1009·9	1012·9	+ 0·9	299·3	312·9	Jan. 1	288·1	275·1	June 2	293·7	293·1	+0·2	1103	+ 33
1126	Asuncion	25 21	57 37	93	1002·2	1013·0	+ 0·6	303·5	315·5	Jan. 2	290·2	275·8	June 16	296·8	295·3	−0·2	1151	−104
1127	Curityba	25 25	49 17	908	913·7	1015·3	− 0·5	295·0	305·9	Jan. 1	285·3	271·0	May 11	290·2	*289·2*	−0·1	1023	+226
1128	Rio de Janeiro	22 54	W43 10	33·0	‡1008·2	‡1015·3	+ 0·3	299·1	309·2	Oct. 31	293·2	286·9	July 20	296·1	295·8	+0·1	1117	+ 19
1139	Windhoek	22 34	E 17 5	1669	..	..	..	299·2	307·4	Jan. 15	286·2	272·3	Aug. 6	292·7	*292·7*	+0·7	254	−121
1141	Kimberley	28 42	24 47	1202	883·2	1014·4	− 0·3	300·0	311·2	Jan. 4	283·3	267·6	June 27	291·6	291·4	+0·9	238	−173
1140	Johannesburg	26 11	28 4	1806	823·8	1016·2	0·0	294·6	303·0	Dec. 6	282·9	267·9	June 27	288·8	*288·4*	+0·4	706	−138
1142	Bulawayo	20 9	28 35	1340	869·3	1012·0	− 0·2	299·9	307·9	Sep. 29, Dec. 15	285·8	274·9	Aug. 8	292·8	*292·3*	+0·7	307	−291
1143	Durban	29 52	31 3	15·2	1017·0	1018·8	− 0·1	298·0	304·8	{Jan. 28, 29 / Aug. 20}	290·2	280·7	June 27	294·1	*293·6*	+0·2	1248	+165
1144	Lourenço Marques	25 58	32 36	59	..	1017·1	− 0·2	300·5	310·7	Nov. 23	290·8	281·4	June 16	295·7	295·3	+0·3	579	−215
1145	Tulear	23 23	43 40	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1146	Fort Dauphin	25 2	46 58	25	..	1016·3	..	..	..	..	..	..	..	..	..	..	..	..
1147	Mauritius	20 6	57 33	55·2	1009·4	1015·8	− 0·3	299·6	306·0	Dec. 27	292·3	285·9	July 16	295·9	295·6	−0·4	1689	+428
1159	Onslow	21 43	114 57	4·3	1010·2	1011·0	− 0·6	304·9	319·2	Jan. 23	289·7	277·6	July 3	297·3	..	−0·2	69	−147
1160	Cue	27 27	117 52	454	961·2	1012·3	− 1·3	301·2	316·2	Jan. 16	287·3	274·4	July 1	294·2	..	−0·3	134	− 92
1161	Nullagine	21 53	120 5	386	967·4	1010·7	− 0·9	305·5	318·2	Jan. 3	289·0	271·1	July 9	297·2	..	−0·5	390	+ 55
1162	Laverton	28 40	122 23	466	961·5	1014·5	− 0·7	300·6	319·1	Jan. 20	286·4	272·4	{June 26, 27 / July 1, 7, 22}	293·5	*293·4*	+0·4	195	− 54
1163	Alice Springs	23 38	133 37	587	946·1	1012·1	− 2·2	301·3	315·2	Jan. 22	285·4	270·2	July 2	293·4	*293·4*	−0·5	325	+ 42
1164	William Creek	28 55	136 21	76·2	1005·6	1014·5	− 1·1	301·2	319·1	Feb. 13	285·7	271·9	Aug. 3	293·4	*293·1*	+0·1	163	+ 29
1164*a*	Boulia	22 55	139 38	146	..	..	..	305·1	317·7	Jan. 23	289·7	274·1	July 10	297·4	*297·4*	+0·5	165	−134
1165	Thargomindah	27 58	143 43	123	998·4	1012·6	− 1·3	302·3	315·9	Jan. 12	287·8	271·8	July 3	295·1	*294·8*	+0·4	64	−219
1166	Mitchell	26 32	147 52	336	974·3	1012·9	..	301·1	311·9	Jan. 27	284·4	269·7	{June 7, 8 / Aug. 20}	292·8	..	+0·5	377	−238
1167	Rockhampton	23 24	150 30	11·3	1011·8	1013·0	− 1·6	302·1	311·9	Dec. 31	290·1	276·8	Aug. 15	296·1	..	+0·3	856	−164
1168	Brisbane	27 28	153 2	41·7	1009·8	1014·5	− 1·3	298·8	310·4	Jan. 29	288·7	276·8	July 10	293·8	*293·2*	+0·3	1446	+313
1170	Norfolk Island	29 4 S.	167 59 E.	15·2	1014·0	1015·7	− 0·6	295·3	301·9	{Jan. 3 / Dec. 27, 29, 31}	289·1	281·3	Sept. 24	292·2	*291·8*	0·0	1440	+ 50

Between Latitude 30° S. and 40° S.

YEAR—ZONE 12.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1221	Juan Fernandez	33 37	78 50	10	..	..	..	288·6	297·0	Sept. 24	281·8	275·0	June 20, Aug. 28	285·2	*288·6*	0·0	1697	+685
1221*a*	Punta Tumbes	36 37	73 6	120	1002·0	1016·5	− 0·4	291·3	301·8	Feb. 15	283·5	276·5	June 21	287·4	*287·0*	−0·5	661	+143
1222	Punta Angeles, Valparaiso	33 1	71 38	41	1011·1	1016·0	− 0·5	291·3	301·8	Feb. 15	283·5	276·5	June 21	287·4	*287·0*	−1·0	700	+212
1223	Santiago	33 27	70 42	520	955·1	1015·7	+ 0·1	294·7	306·0	Jan. 25	280·0	271·2	June 23	287·3	*286·4*	−0·2	448	+ 86
1224	Cordoba	31 25	64 12	423	965·1	1014·1	+ 0·7	296·8	309·2	Feb.	282·8	267·7	June, Aug.	289·8	289·4	−0·5	840	+137
1225	Bahia Blanca	38 45	62 15	25	1012·0	1015·1	+ 0·8	294·3	311·0	Jan. 19	283·2	271·0	June, July, Aug.	288·7	288·7	+0·3	613	+ 79
1226	Buenos Ayres (Chacarita)	34 36	58 22	25	1012·9	1015·9	+ 0·4	294·2	308·6	Dec. 26	284·5	270·7	Apr. 26	289·3	289·4	+0·3	1195	+250
1226*a*	Montevideo (Obs. Central)	34 55	56 13	24·3	..	1014·3	− 0·8	292·5	306·4	Jan. 20	286·7	276·7	June 24	289·6	*289·8*	+0·4	1379	+337
1239	Porto Alegre	30 2	W51 13	23·5	1010·7	1013·5	− 2·3	297·5	312·3	Jan. 1	287·5	275·6	May 27	292·5	292·2	0·0	1187	− 53
1240	Cape Town	33 56	E18 29	12·2	..	1017·2	+ 0·2	294·9	311·9	Apr. 4	284·9	274·1	June 26, 27	289·9	*288·5*	+0·1	483	−161
1241	Danger Point	34 37	19 18	27·7	1011·5	1014·8	..	292·1	303·6	Oct. 26	285·3	276·3	June 27	288·7	..	−0·1	1011	+374
1242	Riversdale	34 6	21 16	30·5	..	..	..	..	313·6	Apr. 4	..	270·8	June 29	..	..	..	480	+ 44
1258	East London	33 0	27 55	44·8	..	1017·0	− 0·1	296·0	310·2	Apr. 12	287·2	276·3	Aug. 22	291·6	..	+0·4	1044	+397
1260	Perth (Observatory)	31 57	115 51	60·0	1008·8	1016·2	− 0·3	295·6	314·3	Mar. 14	285·4	275·8	July 15	290·5	*290·3*	−0·4	810	− 51
1261	Katanning	33 42	117 35	310	979·1	1015·9	− 0·2	294·3	312·2	Mar. 14	281·4	273·1	Sept. 10	287·9	..	−0·7	407	− 57
1262	Coolgardie	30 57	121 10	423	966·0	1014·7	− 1·0	298·4	317·4	Feb. 9	284·0	272·9	June 26	291·2	*291·1*	+0·1	273	+ 15
1263	Streaky Bay	31 45	128 58	4·6	1014·5	1015·1	− 1·3	294·9	318·7	Feb. 11	285·2	274·3	Aug. 21	290·1	*289·6*	−0·3	252	− 2
1264	Adelaide	32 48	134 13	13·1	..	1015·9	− 1·3	296·7	317·0	Feb. 11	284·9	274·9	July 25	290·8	*290·2*	+0·6	351	− 28
1265	Melbourne	34 56	138 35	42·7	1010·8	1015·9	− 1·1	295·6	315·9	Nov. 30	284·8	275·6	July 25	290·2	*289·9*	0·0	587	+ 48
1266	Bourke	37 49	144 58	35·1	1010·8	1014·9	− 1·4	292·8	313·3	Feb. 16	282·8	273·1	June 24	287·8	*287·5*	+0·1	635	− 12
1267	Sydney	30 13	145 58	110	1004·2	1017·1	− 1·0	301·8	316·3	Nov. 20	286·1	271·9	July 3	293·9	..	+0·3	142	−210
1268	Lord Howe Island	31 51	151 13	42·1	..	1014·4	− 1·4	295·6	312·8	Dec. 24	286·6	276·8	July 1	291·1	..	+0·8	1000	−216
1271	Auckland	31 20	159 0	4·6	1014·6	1015·1	− 1·2	295·6	302·0	Jan. 8	..	280·2	Aug. 8	..	..	..	1475	−226
1272	Napier	36 50	174 50	38·1	..	1014·9	− 0·2	291·4	300·8	Feb. 14	284·9	276·1	June 21, Aug. 2	288·2	..	+0·1	1221	+105
		39 32 S.	176 53 E.	21·3	..	..	..	..	..	..	..	271·1	June 23	..	..	..	..	..

Between Latitude 40° S. and 50° S.

YEAR—ZONE 13.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Pressure.* Mean at M.S.L.	Pressure.* Diff. from Normal	Temperature. Mean Max. A	Temperature. Absolute Max.	Temperature. Date.	Temperature. Mean Min. B	Temperature. Absolute Min.	Temperature. Date.	Temperature. Mean of A and B	Temperature. †24 hr. Mean *	Temperature. Diff. from Normal	Precipitation. Total.	Precipitation. Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1301	Chatham Island	43 52	176 42	45·7	..	1009·0	..	..	..	..	..	..	..	..	..	..	711	−212
1321	Isla Guafo	43 34	74 45	140	998·6	1015·5	+ 0·3	285·0	303·5	Dec. 22	280·8	273·5	Aug. 16	282·9	*282·8*	0·0	877	−179
1322	Punta Galera	40 1	73 44	40	1012·2	1017·1	+ 0·6	286·2	297·8	Dec. 22	281·3	276·0	Aug. 2	283·7	*284·3*	−0·5	1926	−275
1323	Sarmiento	45 30	69 0	274	978·9	1010·6	− 0·2	290·3	307·2	Dec. 23	277·1	259·4	June 28	283·7	283·8	+0·1	113	− 15
1324	Punta Madryn	42 49	W64 58	14	1012·8	1014·2	+ 2·5	292·8	312·0	Dec. 9	280·4	266·0	Sept. 3	286·6	286·7	+0·2	215	+ 53
1365	Launceston	41 27	E147 10	10·1	1011·1	1012·2	− 1·2	291·8	307·7	Feb. 11	280·7	270·5	July 2, 3	286·3	*285·5*	+0·7	604	−112
1366	Hobart	42 53	147 20	53·9	1005·5	1012·0	− 0·4	289·8	309·2	Feb. 12	281·4	272·6	June 25	285·6	*284·8*	+0·2	718	+116
1370	Invercargill	46 25	168 21	3·7	..	..	..	287·9	301·9	Jan. 7	278·7	267·4	June 10, July 7	283·3	..	+0·3	1124	− 46
1371	Dunedin	45 52	170 31	91·4	..	1013·4	+ 1·6	287·6	301·3	Jan. 6	279·9	271·3	June 10, 28	283·7	..	+0·4	968	+ 31
1716	Christchurch	43 31	172 39	7·6	..	1012·9	+ 0·3	288·8	304·4	Dec. 12	279·4	268·3	June 22	284·1	..	−0·3	525	−115
1372	Wellington	41 16 S.	174 46 E.	3·1	..	1014·5	+ 0·5	290·0	300·9	Feb. 28	282·5	272·4	June 22, July 31	286·3	..	+0·4	741	−481
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* pages 113 and 114. † Estimates not based on at least six equally-spaced observations each day are in *italics*. ‡ *See* "Remarks" page 113.

YEAR—ZONE 14. Table representing the Meteorology of the Globe between Latitude 50° S. and 60° S.

No.	Name of Station.	Latitude.	Longitude.	Height.	Pressure.* Mean at Level of Station.	Mean at M.S.L.	Diff. from Normal	Temperature. Mean Max. A	Absolute Max.	Date.	Mean Min. B	Absolute Min.	Date.	Mean of A and B	†24 hr. Mean *	Diff. from Normal	Precipitation. Total.	Diff. from Normal
		° ′ S.	° ′ W.	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.
1421	Islota de los Evangelistas .	52 24	75 6	55	997·5	1004·2	+ 1·7	280·7	288·0	Mar. 7	276·9	270·7	Aug. 16	278·8	*278·8*	—0·5	3208	+176
1422	Puerto de Punta Arenas .	53 10	70 54	28	1000·0	1003·4	+ 1·2	282·7	295·6	Dec. 22	277·1	268·8	June 25	279·9	*280·1*	+0·6	322	− 63
1423	Punta Dungeness . .	52 24	68 26	5	1002·3	1002·9	+ 1·5	283·3	296·4	Mar. 9	277·3	267·5	July 13	280·3	*280·1*	—0·1	..	..
1424	Santa Cruz . . .	50 11	68 21	12	1004·5	1005·7	+ 0·8	287·7	305·2	Mar. 9	276·8	260·4	June 26	282·3	282·2	+0·6	135	− 15
1424a	Año Nuevo‡ . . .	54 39	64 8	50	..	..	..	281·2	293·8	Dec. 31	274·6	266·6	Apr. 26	277·9	*277·9*	—0·3	902	..
1425	Stanley, Falkland Is. .	51 42	57 51	1·8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1426	Cape Pembroke . .	51 41	57 42	21·3	1001·4	1004·0	+ 2·1	281·6	292·7	Nov. 12	275·8	266·3	June 29	278·7	279·1	0·0	..	..
1429	S. Georgia (Cumberland Bay)	54 14 S.	36 33 W.	4	997·1	997·6	+ 0·6	278·6	301·8	Mar. 10	271·8	262·5	June 28	275·1	*275·2*	+0·4	1485	+184

YEAR—ZONE 15. Between Latitude 60° S. and 70° S.

1527	South Orkneys. . .	S. 60 44	W. 44 39	7	990·6	991·5	− 1·2	271·7	283·8	Mar. 9	265·7	242·8	Aug. 6	268·7	268·8	+0·3	430	+ 27
		° ′	° ′	metres.	mb.	mb.	mb.	a.	a.		a.	a.		a.	a.	a.	mm.	mm.

* For formulæ employed *see* page 114. †Estimates not based on at least six equally-spaced observations each day are in *italic*. ‡ *See* "Remarks," page 114.

SUMMARY OF RESULTANT WINDS FOR THE YEAR, 1922.

	St. Helena. 1035.		Fanning Island. 805.	Sierra Leone. 834.	Entebbe. 844.	Malden Island. 905.	Tulagi. 969.	Ocean Island. 970.	Suva, Fiji. 1072.
		m/s.							
§ Resultant	140° (91)	..	110° (85)	230° (27)	180° (50)	..	135° (29)	90° (82)	85° (30)
§ Normal	141° (89)	††7·3	‖105° (73)	272° (22)	255° (33)	‖‖81° (81)	134° (47)	‖100° (43)	96° (53)

‖Normal refers to ½(9 + 21). ‖‖ Normal refers to 9h. ††Mean velocity of the South-East Trade Wind at 608 metres. §Direction and "Constancy." For explanation *see* Introduction.

STATE OF ICE IN THE ARCTIC SEAS AND IN THE NORTH ATLANTIC.—YEAR 1922.

‡‡*Kara Sea.*—The ice did not begin to break up until July, after which the conditions were favourable.

‡‡*Barents Sea.*—1922 was the most ice free year since 1897, when records began. Except for young ice, Bear Island was almost free of ice during the winter 1921–2. After the middle of April it was completely free.

‡‡*White Sea.*—Considerable masses of ice were observed in the entrance in April and May, but later on the sea was free of ice.

‡‡*Spitsbergen* was circumnavigated this year by some Norwegian sealers, and the ice conditions were generally particularly favourable, lat. 81½°N. being reached in the north. Only on the west coast in May and June was the ice heavier than usual, causing some difficulty to navigation.

‡‡*Iceland.*—The coasts of Iceland and also of Grimsey were free of ice throughout the year.

‡‡*Greenland Sea and Denmark Strait.*—From May onwards Jan Mayen was free of ice. The ice conditions south from Shannon Island were favourable from July, northeasterly winds pressing the ice towards the coast and causing it to lie much more westerly than usual and to waste more. In August the sea was open right to the coast in 74° N. At Angmagsalik conditions were not very favourable; the sea only being icefree for a few days at a time.

‡‡*N. Atlantic and Labrador.*—Five hundred and nineteen icebergs were observed on the Newfoundland Banks south of the 48th parallel, the normal being 400. There was much ice in the Gulf of St. Lawrence, and in Cabot Strait there was pack and drift ice until May. Off Belle Isle the drift of flat ice decreased from June, but icebergs were still met with from then to October. In Belle Isle Strait and off Labrador icebergs were also more numerous than usual.

‡‡*Davis Strait and Baffin Bay.*—The width of the belt of "Storis" in April and May was about normal, but in April it reached further north than usual, to Fiskernaes, and in May it was most abundant, though not more than usual. The conditions were similar to those of 1921, though the amount of "Storis" was smaller. West ice was scarce along the coast during the winter 1921–2. At Godhavn and Frederikshaab the winter ice was considerable, but elsewhere there was no more than usual. Hudson Strait was full of ice, but navigable throughout the year, and Frozen Strait was free of ice throughout the winter 1921–2.

‡‡*Melville Bay.*—The middle pack of Baffin Bay was driven north about August so that Melville Bay was filled with large unbroken floes which prevented all passage across the Bay.

‡‡*Bering Sea, Bering Strait and Beaufort Sea.*—In the Bering Sea the position of the ice edge was normal, but as early as June the whole sea was ice free. The polar ice was pressed hard against the north coast of Alaska, making navigation difficult. The conditions resemble somewhat those of 1920, but were worse than in any year since 1883. At the end of August it was impossible to advance eastwards from Herschel Island, though later Cape Bathurst was reached.

‡‡ *Isforholdene i de Arktiske Have, 1922 and 1923*, published by the Danish Meteorological Institute.

RÉSEAU MONDIAL, 1922.

TABLE SHOWING THE AUTHORITIES FOR THE METEOROLOGY OF THE GLOBE FOR THE YEAR 1922, AND THE PERIOD OF THE NORMALS, TOGETHER WITH THE HOURS OF OBSERVATION (LOCAL MEAN TIME), FORMULÆ FOR MEANS, ETC.

Between Latitude 80° N. and 70° N. **P**=Barometric Pressure. **T**=½(M + *m*) Temperature. **T**=True Mean Temperature. **R**=Precipitation. **ZONE 1.**

No.	Name of Station.	Authority for Current Data.	Period of Normals.	Remarks.
105	Barrow	Washington D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1922.	**T**, 12 yrs. **R**, 10 yrs.	c **P**=½(7+19).
123	Inglefield Bay . . .	..	..	..
124				
125	Upernivik	Copenhagen Dansk Meteor. Aarbog., 1922	**P**, 1874–1920. **T**, **R**, 1873–1920.	e **P**=⅓(8+14+21). **T**=, [2(8+14)+5×21].
135	Jan Mayen	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1922, 1923.	..	ek **P**(Jan. to June), **T**(Feb. to June)=mean of 24 hrs. **P** (July to Dec., Yr.) = ¼(2+8+14+19). This approximates to a 24 hr. mean. **T** (Jan., July to Dec., Yr.) see Björnöen No. 140.
139	Spitsbergen (Green Harbour)	Do. do.	**P**, 15 yrs., 1872–1921. **T**, **R**, Dec., 1911–June, 1921.	e **P** (Jan. to June), **T**=mean of 24 hrs. **P** (July to Dec., Yr.)=⅓(8+14+19). Absolute maximum taken from hourly readings.
140	Björnöen	MS. data supplied by Norweg. Meteor. Instituts, Oslo.	..	e **P**=⅓(8+14+19). **T**=$n-k$ (n-min). where n is the mean of the three fixed daily observations and k is a factor varying with the station and month.
141	Gjesvaer			
142	Mehavn	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1922	**P**, 1878–1920. **T**, 1861–1920. **R**, 1884–1920.	ek **P**=⅓(8+13+19). **T**, see Björnöen No. 140.
143	Vardo	Do. do.	**P**, **R**, 25 yrs., 1898–1923. **T**, 1861–1920.	ek See Björnöen No. 140.
147	Malye Karmakouly . .	Do. do.	**P**, (1851–1900). **T**, 1861–1920. **R**, 1893–1921.	ek **P**=⅓(8+13+19). **T**, see Björnöen No. 140.
148	Waigatz	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, 16 yrs., 1896–1920. **T**, 31 yrs., 1876–1922. **R**, 10 yrs., 1896–1916.	e **P**=⅓(7+13+21). **T** derived from these hours.
153	Dickson	Do. do.	**P**, (1871–95).	e Do. do.
		Do. do.	..	e **P**=⅓(7+13+21).

Between Latitude 70° N. and 60° N. **ZONE 2.**

203	Nome	Washington D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1922, and Rep. of Chief of Weather Bureau, 1922–1923.	**P**, (1901–20). **T**, **R**, 19 yrs.	**P**=½(6+18). **T**=¼(6+18+M+*m*).
204	Candle	Washington, D.C., U.S. Dept. Agric., Climatological Data, Alaska Section, 1922.	**T**, 14 yrs.	..
205	Tanana	See No. 203.	**P**, (1901–20). **T**, **R**, 25 yrs.	**P**, (Jan. to Nov.) = ½(7+19), **P** (Dec.) = ½(7+18). **T** = ¼(7+19+M+*m*).
206	Rampart	See No. 204.	**T**, **R**, 19 yrs.	
207	Valdez	See No. 203.	**P**, (1901–20). **T**, **R**, 15 yrs., 1909–25.	**P**=½(7+19). **T**=¼(7+19+M+*m*).
208	Eagle	Do.	**P**, (1901–20). **T**, 22 yrs., **R**, 24 yrs., 1882–86; '99–1903; '05–22.	**P** (Jan. to Oct.) = ½(8+18), **P**, (Nov.) = ½(8+17), **P** (Dec.) = ½(8+16).
209	Dawson	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1922.	**P**, 1902–18. **T**, 1902–20. **R**, 25 yrs., 1902–27.	bce **P**=½(8+16+20).
210	Carcross	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1922 and MS. data.	**T**, 15 yrs. **R**, 1907–21.	..
211	Fort Good Hope . .	MS. data supplied by Canadian Meteor. Service, Toronto.	**R**, 1898–1922.	**P**=½(8+16½).
212	Fort Simpson . . .	Do. do.	**T**, 25 yrs. **R**, 15 yrs., 1897–1917.	..
213	Hay River	Do. do.	**P**, 1909–22; '25. **T**, 25 yrs. **R**, 1910–19.	**P**=⅓(8+17).
214	Jacobshavn . . .	Copenhagen, Dansk Meteor. Aarbog, 1922.	**P**, **T**, **R**, 1873–1920.	e **P**=⅓(8+14+21). **T**=⅓[2(8+14)+5×21].
215	Godthaab	Do. do.	**P**, 1873–1920. **T**, 1875–1920. **R**, 1873–1917.	e Do. do.
216	Ivigtut	Do. do.	**P**, 1878–1920. **T**, 1879–1920. **R**, 1875–1920.	e **P**=⅓(8+15+21). **T**=⅓[2(8+15)+5×21].
217	Angmagsalik . . .	Do. do.	**P**, **T**, 1894–1920. **R**, 25 yrs., 1897–1923.	e **P**=⅓(8+14+21). **T**=⅓[2(8+14)+5×21].
218	Stykkisholm . . .	Reykjavik, Annuaire Météor. d'Islande, 1922.	**P**, 1845–1923. **T**, 1846–1900. **R**, 1856–1923.	ce Do. do.
219	Vestmanno . . .	Do. do.	**P**, 1881–1923. **T**, 1878–1916. **R**, 1880–1923.	ce Do. do.
220	Grimsey	Do. do.	**P**, 1874–1918; '20–23. **T**, 1875–1916. **R**, 1874–88; '90–1919; '22–23.	ce Do. do.
221	Akureyri	Do. do.	**P**, 1874–1918; '20–23.	**P**=⅓(6+13+16).
222	Teigarhorn (Berufjord) .	Do. do.	**P**, 1872–1923. **T**, 1873–1916. **R**, 1873–1923.	e **P**=⅓(8+14+21). **T**=⅓[2(8+14)+5×21].
223	Thorshavn	Copenhagen, Dansk Meteor. Aarbog, 1922.	**P**, **R**, 1872–1920. **T**, 1873–1922.	ce Do. do.
224	Lerwick	London, Monthly Weather Rep. of Meteor. Office, 1922.	**P**, 1871–1915. **T**, **R**, 1881–1915.	ce **P**=⅓(7+13+21). M.S.L. reduced to 24 hrs. **T** = ¼(7+13+2×21).
225	Bergen (Met. Obs.) . .	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1922, and MS. data.	**P**, (1851–1900). **T**, 1861–1920. **R**, 1765–70; 1861–1921.	e, ek, e, ek: See Björnöen, No. 140.
226	Aalesund	Oslo, Jahrb. d. Norweg. Meteor. Instituts, 1922.	**P**, (1851–1900). **T**, 1861–1920. **R**, 43 yrs., 1867–1926.	
227	Trondhjem	See No. 237.	**P**, (1851–1900). **T**, 1861–1920. **R**, 1885–1919.	
228	Bodö	See No. 238.	**P**, **R**, 1868–1920. **T**, 1861–1920.	
229	Haparanda	Stockholm, Statens Meteor.—Hydrogr. Anstalt, Årsbok, IV, 1922.	**P**, 1860–1920. **T**, 1859–1920. **R**, 1860–1924.	ce **P**=⅓(8+14+21). **T** derived from these hours.
230	Helsingfors	MS. data supplied by Valtion Meteor. Keskuslaitos, Helsingfors.	**P**, 1882–1920. **T**, 1829–1920. **R**, 1844–1924.	**P**=⅓(7+14+21). **T** = mean of 24 hrs.
231	Kuopio	Do. do.	**P**, (1851–1900). **T**, 35 yrs., 1884–1919. **R**, 1886–1920.	**P**=⅓(7+14+21). **T** = ¼(7+14+2×21).

For notes *see* page 115.

ZONE 2—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
243	Kola	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, 47 yrs., 1871–1920. **T**, 1876–1908; '10–15. **R**, 35 yrs., 1878–1915.	e	**P**=⅓ (7+13+21). **T** derived from these hours.
244	Petrozavodsk	..	..	..	..
245	Arkhangelsk	See No. 243.	**P**, 1851–1917. **T**, 1813–1917. **R**, 1871–1917.	e	**P**=⅓ (7+13+21). **T** derived from these hours.
246	Mezen	Do.	**P**, 1871–1908. **T**, 1883–1922. **R**, 1883–1908.	e	Do. do.
247	Oust-Tsylma	Do.	**P**, 26 yrs., 1890–91; '95–1922. **T**, 25 yrs., 1890–91; '96–1920. **R**, 27 yrs., 1889–92; '96; '98–1922.	e	Do. do.
248	Tcherdyn	Do.	**P**, (1851–1900). **T**, 25 yrs., 1847–48; '88–1915. **R**, 25 yrs., 1885–1912.	e	Do. do.
249	Berezov	Do.	**P**, 25-26 yrs., 1887–88; '92–95; '97–1920. **T**, 35 yrs., 1881–1920. **R**, 35 yrs., 1878–1920.	ek	Do. do.
250	Obdorsk	Do.	**P**, 31 yrs., 1887–1918; '22. **T**, 36 yrs., 1882–1918; '22. **R**, 33 yrs., 1882–1908; '10–13; '15–18; '22.	e	Do. do.
251	Sourgout	Do.	**P**, 33 yrs., 1887–1922. **T**, 37 yrs., 1884–1922. **R** 34 yrs., 1884–1908; '11–13; '15–22.	ek	Do. do.
252					
253	Doudinka	Do.	**P**, **T**, 15 yrs., 1906–21. **R**, 15 yrs., 1906–22.	ek	Do. do.
254	Touroukhansk	Do.	**P**, (1871–95). **T**, 35 yrs., 1843–44; '77–1920. **R**, 35 yrs., 1877–1922.	ek	Do. do.
261	Viliouisk	Schostakowitsch, V.B., Contributions à l'étude du climat de la République Iakoute . . . . Leningrad, 1927.	**T**, 1898–1922. **R**, 25 yrs., 1898–1923.		**T** derived from ⅓ (7+13+21).
262	Iakoutsk	See No. 243.	**P**, 33 yrs., 1888–1907; '11–26. **T**, 31 yrs., 1888–1920. **R**, 35 yrs., 1837–1918.	ek	**P**=½ (7+13+21). **T** derived from these hours.
263	Verkhoiansk	..	..	..	..
271					
272					

ZONE 3.

Table showing the Authorities for the Meteorology of the Globe between Latitude 60° N. and 50° N.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
301	Atka	..	..	..	..
302	St. Paul Island	Washington, D.C., U.S. Dept., Agric., Climatological Data, Alaska Section, 1922.	**P**, (1901–20). **T**, 14 yrs. **R**, 23 yrs.	c	**P**=½ (6+18).
303	Dutch Harbor (Radio)	Washington, D.C., U.S. Dept., Agric., Climatological Data, Alaska Section, 1922, and Rep. of Chief of Weather Bureau, 1922–23.	**P**, (1901–20). **T**, 21 yrs., 1872; '78–86; 1905–22. **R**, 15 yrs., 1905–20.	c	**P**=½ (6+18). **T** = ¼ (6+18+M+m).
304					
305	Dillingham	See No. 302.	**T**, 12 yrs. **R**, 11–12 yrs.	..	..
306	Kodiak (Radio)	See No. 303.	**P**, (1901–20). **T**, 10 yrs. **R**, 16-21 yrs., 1898–1910; '13–20.	c	**P**=½ (7+19). **T** = ¼ (7+19+M+m). **R**, (Apr., Sept., Nov. and Yr.) interpolated from Experimental Station.
307	55°–50° N. 150°–145° W.	MS. data supplied by Chief of Weather Bureau, U.S. Dept., Agric., Washington.	**P**, **T**, Sea Temperature, see current data.		**P**, **T**, Sea Temp. = 12h, G.M.T.
309	Sitka	See No. 303.	**P**, (1901–20). **T**, 43 yrs. **R**, 61 yrs., 1842–1921.	c	**P**=½ (8+20). **T** derived from ¼ (8+20+M+m).
310	Prince Rupert	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1922.	**P**, 1911–25. **T**, 1909–23. **R**, 1910–24.	bce	**P**=½ (5+17). **T**, = ¼ (5+17+M+m).
311	Barkerville	Do. do.	**P**, 25 yrs., 1899–1924. **T**, 35 yrs., 1888–1923. **R**, 37 yrs., 1888–1925.	bce	Do. do.
312	Kamloops	Do. do.	**P**, 1900–18. **T**, 1891–93; '95–1920. **R**, 1895–1920.	bce	**P**=½ (4½+16½). **T** = ¼ (4½+16½+M+m).
313	Calgary	Do. do.	**P**, 1894–1926. **T**, 1884–1923. **R**, 36-37 yrs., 1884–1920.	bce	**P**=½ (5½+17½). **T** = ¼ (5½+17½+M+m).
314	Fort Chipewyan	MS. data supplied by Canadian Meteor. Service, Toronto.	**P**, 10 yrs., 1910–22. **T**, 35 yrs. **R**, 25 yrs.		**P**=½ (8+18). **T** derived from ¼ (8+18+M+m).
315	Prince Albert	See No. 310.	**P**, 1900–18. **T**, 1885–1925. **R**, 36-37 yrs., 1884–1920.	bce	**P**=½ (6+18). **T** = ¼ (6+18+M+m).
316	Qu' Appelle	Do.	**P**, 1892–1926. **T**, **R**, 1883–1920.	bce	**P**=½ (6+18). **T** derived from ¼ (6+18+M+m).
317	Minnedosa	Do.	**P**, 1895–1919. **T**, 35 yrs. **R**, 1883–1917.	bce	**P**=½ (7+19). **T** = ¼ (7+19+M+m).
318	Berens River	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1922, and MS. data.	**T**, 25 yrs. **R**, 1886–1920.		
318a	Port Nelson	See No. 310.	**P**, 10 yrs., 1915–25. **T**, **R**, 10 yrs.	bce	**P**=½ (7¾+18½).
319	Fort Hope	Do.	**P**, 10 yrs., 1910–23. **T**, 17 yrs., 1901–19. **R**, 24 yrs., 1895–1924.	be	**P**=½ (9+21). **T** = ¼ (9+21+M+m). Height deduced from mean pressure.
320	Moose Factory	See No. 318.	**P**, 1891–1920. **T**, 1890–1920. **R**, 22 yrs., 1895–1926.	be	**P**=½ (9+14+19).
321	Fort George	See No. 314.	..	..	..
322	Mistassini Post	See No. 318.	**T**, **R**, 10 yrs., 1914–25.	..	..
324	Natashquan	Do.	**T**, **R**, 10 yrs., 1914–25.	..	..
326	Belle Isle	See No. 314.	**P**, 1900–09; '11–13; '17–18. **T**, 1888–1918. **R**, 35 yrs.	c	**P**=½ (8+20). **T** = ¼ (8+20+M+m).
333	53°–48° N. 20°–15° W.	MS. data at M.O.	Sea Temperature, 1855–1917. Marine Observer, vol. iii, 1926.	..	..
333a	62°–57° N. 20°–15° W.	MS. data supplied by Danske Meteorologiske Institut, Copenhagen and Meteorological Office, London.	Sea Temperature, 1876–1915.	..	..
334	Cahirciveen (Valentia Obs.)	London, Monthly Weather Rep. of Meteor. Office, 1922.	**P**, 1871–1915. **T**, 1881–1915. **R**, 1871–1920.	e	**P**, **T** = mean of 24 hrs.
335	Aberdeen	Do. do.	**P**, 1871–1915. **T**, 1881–1915. **R**, 1871–1920.	e	Do.
336	Greenwich	Do. do.	**P**, **T**, **R**, 1881–1915.	e	Do.
337	Uccle	MS. data supplied by Inst. Roy. Météor. de Belgique.	**P**, 1833–1904. **T**, 1886–1920. **R**, 1887–1926.	e	Do.
338	De Bilt	Utrecht, K. Nederlandsch Meteor. Inst., Jaarboek, 1922.	**P**, **T**, **R**, 1849–1920.	ae	Do.
338a	Hamburg	Hamburg, D. Seewarte, Ergebn. der Meteor. Beob., 1922.	**P**, **T**, 1876–1910. **R**, 1867–1916.	e	**P**=¼ (8+14+20). **T**, (May to Aug.) ¼ (8+20+M+m), **T** (Sept. to Apr.) 1/12 [5 (8+20)+2+14].

For notes *see* page 115.

ZONE 3—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks
339	Copenhagen (Meteor. Inst.)	Copenhagen, Dansk Meteor. Aarbog, 1922.	**P**, 1842–1917. **T** (Jan. to June), 1876–1915. **T** (July to Dec., Yr.), 1768–76; '82–88; '98–1920. **R** (Jan. to June), 1822–1917. **R** (July to Dec., Yr.) 1820–1920.	ce	**P**= ¼(8+14+21). **T** derived from these hours. T and R data, July to Dec. refer to Landbohøjskolen, 55° 41′ N, 12° 33′ E, 13m.
340	Potsdam	Berlin, Ergebn. d. Meteor. Beob. in Potsdam, 1921–23.	**P**, 1851–1916. **T**, 1893–1917. **R**, 1877–1916.	e	**P**, **T** = mean of 24 hrs.
340a	Uppsala	Uppsala, Bull. mens. de l' Obs. Météor., 1922.	**P**, 1860–1920. **T**, 1855–1920. **R**, 1851–1924.	e	Do.
341	Warsaw	MS. data supplied by Inst. Centr. Météor., Warsaw.	**P**, **R**, 1885–1920. **T**, 1851–1900.		**P**=⅓ (7+13+21). **T** = mean of 24 hrs.
342	Tartu (Dorpat)	Tartu, Meteor. Jahrb. für Eesti, 1922.	**P**, **T**, **R**, 1866–1915.	e	**P**, **T** = mean of tri-hourly observations.
343	Petrograd	MS. data supplied by Central Phys. Obs., Petrograd.	**P**, **T**, 1871–1915. **R**, 90 yrs., 1778–97; 1835–1915.	e	**P**=¼ (7+13+21). **T** derived from these hours.
344	Kiiv	MS. data supplied by Meteor. Obs. d. Univ. Kiiv.	**P**, 1871–1915. **T**, 1881–1915. **R**, 1856–1915.		Do. do.
344a	Moscow	See No. 343.	**P**, 1871–1915. **T**, 1881–1915. **R**, 61 yrs., 1853–1915.	e	Do. do.
345	Saratov	Do.	**P**, (1851–1900). **T**, 52 yrs., 1836–1915. **R**, 40 yrs., 1855–57; '73–80; '84–1915.	e	Do. do.
346	Kazan	Do.	**P**, **T**, 1881–1915. **R**, 1876–1925.	e	Do. do.
347	Orenburg	Do.	**P**, **T**, 1886–1920. **R**, 37 yrs., 1885–1922.	e	Do. do.
348	Perm	Do.	**P**, 37 yrs., 1885–1922. **T**, 1883–1922. **R**, 35 yrs., 1882–1917.	e	Do. do.
349	Sverdlovsk	Do.	**P**, **T**, 1881–1915. **R**, 1836–1922.	e	Do. do.
350	Tobolsk	Do.	**P**, 30 yrs., 1887–94; '07–1922. **T**, 33 yrs., 1884; '87–1922. **R**, 42 yrs., 1841–1922.	e	Do. do.
351	Akmolinsk	..	..	..	..
352	Omsk	See No. 343.	**P**, 27 yrs., 1887–1922. **T**, 31 yrs., 1885–1922. **R**, 34 yrs., 1875–1922.	ek	**P**=½ (7+13+21). **T** derived from these hours.
353	Barnaoul	Do.	**P**, **T**, 1881–1915. **R**, 81 yrs., 1838–1922.	e	Do. do.
354	Tomsk	Do.	**P**, **T**, 1881–1915. **R**, 45 yrs., 1874–1922.	ek	Do. do.
355	Minousinsk	Do.	**P**, 28 yrs., 1889–1920. **T**, 32 yrs., 1885–1920. **R**, 31 yrs., 1874–1922.	ek	Do. do.
356	Eniseisk	Do.	**P**, 32 yrs., 1889–1922. **T**, 1881–1915. **R**, 1871–1908; '11–13; '15–22.	ek	Do. do.
357	Irkutsk	Do.	**P**, 1881–1926. **T**, 1881–1920. **R**, 1887–1921.	e	Do. do.
358	Kirensk	Do.	**P**, 21 yrs., 1896–1918. **T**, 26 yrs., 1892–1918. **R**, 27 yrs., 1892–1922.	ek	Do. do.
359	Tchita	..	..	..	..
360	Nertchinskii Zavod	..	..	..	..
361	Tygan Ourkan	..	..	..	..
362	Blagovyeshchensk (Bureau Météor.)	See No. 343.	**P**, 1911–13; '15–21. **T**, **R**, 1910–13; '15–20.	e	**P**=½ (7+13+21). **T** derived from these hours.
363		Do.	**P**, 25 yrs., 1890–1921. **T**, 35 yrs., 1881–1921. **R**, 29 yrs., 1877–1920.	e	Do. do.
364	Nikolaevsk-sur-Amour	..	..	..	..
365		..	..	..	..
366		..	..	..	..
367		..	..	..	..
368		..	..	..	..
369	Petropavlovsk (Phare)	See No. 343.	**T**, 25 yrs., 1890–1922. **R**, 29 yrs., 1846–1922.		**T** derived from ¼ (7+13+21).

Table showing the Authorities for the Meteorology of the Globe between Latitude 50° N. and 40° N.

ZONE 4.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks
411	Victoria, B.C.	Toronto, Meteor. Service, Monthly Record of Meteor. Obs., 1922.	**P**, 1900–24. **T**, **R**, 1891–1925.	be	**P**, **T**=mean of 24 hrs.
412	Portland, Oregon	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1922–23, and Monthly Weather Rev., 1922.	**P**, **T**, 1873–1923. **R**, 1871–1922.	nq	**P**, **T**=½ (8+20) reduced to mean of 24 hours.
413	Macleod	See No. 411.	**T**, 25 yrs., 1895–1921. **R**, 25 yrs., 1895–1920.		**T** derived from ½ (M+m).
414	Helena	See No. 412.	**P**, 1882–1923. **T**, **R**, 1880–1923.	nq	**P**, **T**=½ (8+20) reduced to mean of 24 hrs.
415	Salt Lake City	Do.	**P**, **T**, 1875–1923. **R**, 1874–1923.	nq	Do. do.
416	Cheyenne	Do.	**P**, **T**, 1873–1923. **R**, 1871–1922.	nq	Do. do.
417	North Platte	Do.	**P**, **T**, 1875–1923. **R**, 1874–1922.	nq	Do. do.
418	Bismarck	Do.	**P**, **T**, 1875–1923. **R**, 1874–1923.	nq	Do. do.
419	Winnipeg	See No. 411.	**P**, **R**, 1886–1920. **T**, 1873–1920.	nq	Do. do.
420	Duluth	See No. 412.	**P**, see current data. **T**, 1904–18. **R**, 1871–1923.	bce	**P**=½ (7+14+19). **T**=¼ (7+19+M+m).
421	Port Arthur	See No. 411.	**P**, 1900–24. **T**, 38 yrs. **R**, 1881–1915.	n	**P**, **T**=½ (8+20) reduced to mean of 24 hrs.
422	Chicago	See No. 412.	**P**, **T**, 1873–1923. **R**, 1871–1923.	bce	**P**=½ (7+14+19). **T**=¼ (7+19+M+m).
423	Toronto	See No. 411.	**P**, 1886–1921. **T**, 1873–1920. **R**, 1874–1920.	nq	**P**, **T**=½ (8+20) reduced to mean of 24 hrs.
424	New York (Central Park)	New York, Rep. of Meteor. Obs., Central Park, 1922.	**P**, 51 yrs., 1868–1920. **T**, **R**, 1868–1923.	be	**P**, **T**=mean of 24 hrs.
424a	St. John, N.B.	See No. 411.	**P**, 1902–18. **T**, 45 yrs. **R**, 1861–1910.	enq	**P**=½ (7+14+21). **T**=mean of 24 hrs.
424b	S.W. Point, Anticosti	See No. 411 and MS. data.	**P**, **T**, **R**, 1882–1920.	bce	**P**=½ (9+15+21). **T**=mean of 24 hrs.
424c	Sable Island (Main Station)	Do. do.	**P**, **R**, 35 yrs., 1891–1926. **T**, 25 yrs., 1898–1923.	bce	**P**, (Jan. to Sept.) = ½(8½ + 15½ + 20½), **P**, (Oct. to Dec.) corrected to ½(8½ + 15½ + 20½). **T**=½ (8½ + 20½ + M + m). "b" refers to Jan. to Sept.
425	Port aux Basques	See No. 411.	**P**, **T**, **R**, 1909–23.	be	**P**, (Jan. Aug. Dec.) corrected to ½ (9 + 14 + 21), **P**, (June, July, Sept. to Nov.) = ½ (9+14+21). **T**=½ (9+21+M+m.) "b" refers to June, July, Sept. to Nov.
426	St. John's, Newfoundland	Do.	**P**, 35 yrs., 1886–1921. **T**, 1872–1920. **R**, 1874–1920.	bce	**P**=½ (9+21). **T**=¼ (9+21+M+m.)
427	50°—45°N. 35°—30°W.	MS. data at M.O.	Sea Temperature, 1855–1917. Marine Observer, vol. III., 1926.	bce	Do.
428	Madrid	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1922.	**P**, **T**, 1901–15. **R**, 15 yrs., 1901–16.	..	..
				e	**P**=⅓ (7+13+18). **T**, derived from ½ (7+18).

For notes *see* page 115.

ZONE 4—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
436	Nantes	MS. data supplied by l'Office National Météor, Paris.	P, T, R, 1881–1920.		P, T=mean of tri-hourly observations.
437	Paris (Parc St. Maur)	Do. do.	P, T, 1874–1923. R, 1820–1910.		P, T=mean of 24 hrs.
438	Marseille	Marseille, Commission de Météor. du Bouches du Rhône, Bull. Ann., 1922, 1923.	P, T, R, 1871–1920.	c	P=$\frac{1}{3}$ (7+10+12+16+18+22). T derived from these hours.
438a	Zürich	Zürich, Ann. Schweiz. Meteor. Zentralanst, 1922.	P, T, R, 1864–1920.	e	P, T=mean of 24 hrs.
439	Rome	MS. data supplied by R. Uff. Centr. Meteor. e Geodin., Rome.	P, 1858–1924. T, 1811–23; '25–1924. R, 1782–1924.		P=$\frac{1}{3}$ (9 + 15 + 21). T derived from $\frac{1}{4}$ (9+21+M+m).
440	Vienna	Vienna, Jahrb. d. Zentralanst. für Meteor. und Geodyn., 1922.	P, R, 1851–1920. T, 1775–1920.	e	P, T=mean of 24 hrs.
440a	Budapest	Budapest, Magyar Kir. Orsz. Meteor. Int., Idöjárási jelentés, 1922.	P, T, R, 1871–1920.	e	P = $\frac{1}{3}$ (7 + 14 + 21). T derived from these hrs.
441	Sofia	Sofia, Bull. Mens. de l'Inst. Météor., 1922.	P, (1851–1900). T, R, 1892–1926.	e	P = $\frac{1}{3}$ (7 + 14 + 21). T = $\frac{1}{4}$(7 + 14 + 2 × 21).
442	Bucharest	Bucuresti, Bul. Lunar al Obs. Meteor. din Romănia, 1922.	P, 1881–1924. T, 1857–1924. R, 1864–1924.	e	P, T = mean of 24 hrs.
443	Odessa (University)	MS. data supplied by Director, Meteor. Service, Ukraine.	P, T, 1881–1922. R, 69 yrs., 1841–1915.	e	P = $\frac{1}{3}$ (7 + 13 + 21). T derived from these hours.
444	Kharkiv (University)	MS. data supplied by Central Phys. Obs., Petrograd.	P, (1851–1900). T, 36 yrs., 1877–1915. R, 38 yrs., 1877–1915.	e	Do. do.
444a	Novorossiisk	Do. do.	P, 38 yrs., 1881–85; '88–1914; '16–22. T, 1891–1922. R, 1892–1914; '16–22.	e	Do. do.
445	Tiflis	MS. data supplied by l'Observatoire Geophys. de Georgie, Tiflis.	P, 1881–1922. T, 1851–1900. R, 78 yrs., 1844–1922.		P, T = mean of 24 hrs.
446	Astrakhan	..	..	..	..
447	Fort Alexandrovsk	See No. 444.	P, 22 yrs., 1882–1922. T, 35 yrs., 1882–1918. R, 47 yrs., 1848–1922.	e	P = $\frac{1}{3}$ (7 + 13 + 21). T derived from these hours.
448	Krasnovodsk	Do.	P, 34 yrs., 1883–1922. T, 35 yrs., 1883–1922. R, 33 yrs., 1870–1922.	e	Do. do.
449	Kasalinsk	MS. data supplied by Meteor. Inst., Tashkent.	P, 15 yrs., 1894–1908; '21. T, 35 yrs., 1855–1921. R, 35 yrs., 1862–1906.	e	Do. do.
450	Tachkent	Do. do.	P, T, 1881–1915. R, 1877–86; '92–1908; '10–13; '15–22.	e	Do. do.
451	Narynskoe	..	..	..	..
452	Alma Ata	See No. 449.	P, 36 yrs., 1881–1918; '22. T, 33 yrs., 1885–1922. R, 39 yrs., 1879–1922.	e	P = $\frac{1}{3}$ (7 + 13 + 21). T derived from these hours.
461	Moukden	Tokyo, Ann. Rep., Centr. Meteor. Obs., Japan, 1922.	P, T, R, 1906–20.	ce	P, T = $\frac{1}{6}$(2 + 6 + 10 + 14 + 18 + 22).
462	Joshin	Do. do.	P, T, R, 1906–20.	ce	Do. do.
463	Yuki	Do. do.	P, T, R, 10 yrs., 1914–24.	ce	Do. do.
464	Vladivostok	MS. data supplied by l'Obs. Météor., Vladivostok.	P, 1876–1921. T, R, 1873–1921.	e	P = $\frac{1}{3}$ (7 + 13 + 21). T derived from these hours.
465	Ochiai	See No. 461.	P, T, R, 15 yrs., 1908–23.	ce	P, T = $\frac{1}{6}$(2 + 6 + 10 + 14 + 18 + 22).
466	Nemuro	Do.	P, 1886–1920. T, R, 1884–1920.	e	P, T = mean of 24 hrs.
466a	Syana	Do.	P, T, R, 1902–21.	ce	P, T = $\frac{1}{6}$(2 + 6 + 10 + 14 + 18 + 22).

ZONE 5. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° N. and 30° N.

508	35°—30°N. 145°—140°W.	MS. data supplied by Chief of Weather Bureau, U.S. Dept. Agric., Washington.	P, T, Sea Temperature, see current data.		P, T, Sea Temp. = 12 h. G.M.T.
511	San Francisco	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1922–23, and Monthly Weather Rev., 1922.	P, T, 1873–1923. R, 1850–1925.	nq	P, T = $\frac{1}{3}$ (8 + 20) reduced to mean of 24 hrs.
512	San Luis Obispo	Do. do.	P, T, 1895–1923. R, 1870–1925.	nq	Do. do.
513	San Diego	Do. do.	P, T, 1873–1923. R, 1850–1923.	nq	Do. do.
514	Modena	Do. do.	P, T, R, 1901–25.	nq	Do. do.
515	Santa Fé	Do. do.	P, 1873–80; '82; '85–1923. T, 1873–82; '85–1923. R, 67 yrs., 1850; '52–61; '63–1923.	nq	Do. do.
516	Denver	Do. do.	P, T, 1873–1923. R, 1872–1923.	nq	Do. do.
517	Abilene	Do. do.	P, T, 1886–1923. R, 1885–1922.	nq	Do. do.
518	Saint Louis	Do. do.	P, T, 1873–1923. R, 1837–1923.	nq	Do. do.
519	Mobile	Do. do.	P, T, 1873–1923. R, 1871–1922.	nq	Do. do.
520	Nashville	Do. do.	P, T, 1873–1923. R, 1871–1922.	nq	Do. do.
521	Charleston	Do. do.	P, T, 1873–1923. R, 1871–1922.	nq	Do. do.
522	Washington	Do. do.	P, T, 1873–1923. R, 1871–1925.	nq	Do. do.
523					
524	Bermuda	Toronto Meteor. Service, Monthly Record of Meteor. Obs., 1922.	P, T, R, 54 yrs., 1866–1920.	be	P = $\frac{1}{3}$(8$\frac{1}{2}$ + 15). This approximates to 24 hr. mean. T = $\frac{1}{4}$(8$\frac{1}{2}$ + 20$\frac{1}{2}$ + M + m). T derived from P = mean of 24 hrs.
530	Santa Cruz (Flores)	MS. data supplied by Director, Meteor. Service, Azores.	P, 1907–22. T, R, 1911–25.		P, T = mean of 24 hrs.
531	Horta	Do. do.	P, T, R, 1902–23.		Do. do.
532	Ponta Delgada	Do. do.	P, T, 1894–1923.		.. ..
532a	Faja da Cima	Do. do.	R, 1894–1923.		
533	Madeira (Funchal)	MS. data supplied by Obs. Centr. Meteor., Lisbon.	P, T, R, 1880–1920.		P = $\frac{1}{3}$ (9 + 15 + 21). T = $\frac{1}{3}$ (9 + 15 + 2 × 21). P = $\frac{1}{8}$ (2 + 6 + 10 + 14 + 18 + 22). M + m). The pressures appear about 1 mb. too high. This correction has been applied.
534					
535	Lisbon	Do. do.	P, 1871–1919. T, R, 1864–1920.		P = $\frac{1}{3}$ (9 + 15 + 21). T = mean of 24 hrs.
535a	Melilla	Madrid, Res. Obs. efect. en las Estaciones del Servicio Meteor. Espagñol, 1922.	P, T, R, 1908–22.	e	P = $\frac{1}{3}$ (8 + 16). T derived from $\frac{1}{3}$(M + m).
536	Gibraltar	MS. data at M.O.	P, T, R, 1852–1920.	c	P = $\frac{1}{3}$ (7 + 13 + 21). T = $\frac{1}{4}$(7 + 13 + 2 × 21).
536a	Colomb-Béchar	MS. data supplied by Service Météor, Algiers.	..	e	P = $\frac{1}{3}$ (7 + 13 + 18). T = $\frac{1}{4}$(7 + 13 + 18 + m).
537	Palma	See No. 535a.	P, T, R, 1866–1921.	e	P = $\frac{1}{3}$ (8 + 13 + 18).
538	Algiers (Bouzaréah)	MS. data supplied by l'Office National Météor., Paris.	P, T, R, 1894–1920.		P, T = mean of tri-hourly observations.

For notes *see* page 115.

ZONE 5—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
539	Tunis	Tunis, Service Météor., Relevé des Obs., 1922.	T, 1887–90; '92; '96–1920. R, 1887–90; '92; '95–1920.	e	P = $\frac{1}{3}$ (7 + 13 + 19). T derived from $\frac{1}{4}$ (7 + 13 + 19 + $\frac{19 + m}{2}$).
539a	Malta	MS. data at M.O.	P, 1852–1923. T, 1853–1923. R, 70 yrs., 1853–1923.	c	P = $\frac{1}{3}$(7 + 18). T derived from $\frac{1}{4}$(M + m).
540	Riposto	Riposto, Osservatorio Meteor., Bollettino Mensile, 1922.	P, 1898–1922. T, 1875–1919. R, 1880–1914.		P = $\frac{1}{3}$ (9 + 15 + 21). T derived from these hours.
541	Athens	MS. data supplied by Obs. Météor. Astr., Athens.	P, 71 yrs., 1839–1923. T, R, 1858–1923.	e	P, T = mean of 24 hrs.
542	Alexandria	MS. data supplied by Phys. Dept., Cairo.	P, 1888–1922. T, 1870–1922. R, 1889–1922.	c	P = $\frac{1}{3}$ (8 + 14 + 20). T derived from $\frac{1}{4}$ (8 + 14 + 20 + m).
543	Nicosia (P.W.D.)	Do. do.	P, T, R, 1907–21.	ac	P = $\frac{1}{3}$ (8 + 15).
544	Beirut	Beirut, Monthly Bull. of the Observatory, 1922.	P, T, 1875–1924. R, 1876–1924.	c	P = $\frac{1}{3}$ (8$\frac{1}{2}$ + 14$\frac{1}{2}$ + 20$\frac{1}{2}$). T = $\frac{1}{8}$ (8$\frac{1}{2}$ + 14$\frac{1}{2}$ + 20$\frac{1}{2}$ + 2 × M + 3 × m).
545	Hinaidi (Baghdad)	Calcutta, India Weather Review, 1922 and MS. data.	P, 1896–1910.	a	P = 8 h. T derived from this hour. "a" refers to Jan. to May.
546	Lenkoran	MS. data supplied by Central Phys. Obs., Petrograd.	P, 1881–1915. T, 1870–84; '92–1915. R, 1847–56; '73–1915.	e	P = $\frac{1}{3}$ (7 + 13 + 21). T derived from these hours.
547	Tehran	See No. 545.	T, 1895–1910. R, see current data.	a	T = 8 h.
548	Meshed	Do.	T, 17 yrs., 1891–94; 1905–18; '20. R, see current data.	a	P = 8 h.
549	Seistan	..	..	a	..
550	Quetta	Do.	P, R, see current data. T, 1878–1920.	aq	P = 8 h. T derived from $\frac{1}{3}$ (M + m).
551	Peshawar	Do.	P, R, see current data. T, 1878–1910.	aq	Do. do.
551a	Lahore	Do.	P, T, R, see current data.	aq	Do. do.
552	Simla	Do.	P, R, see current data. T, 1876–1920.	aq	Do. do.
552a	Leh	Do.	P, R, see current data. T, 43 yrs., 1875–79; '82–1920.	aq	Do. do.
559	Hankow	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1922.	P, T, 1906–20. R, 39 yrs., 1875–1919.	ce	P = $\frac{1}{3}$ (6 + 14 + 22). T derived from these hours.
560	Tientsin	Do. do.	P, T, 1905–20. R, 1904–19.	ce	Do. do.
561	Shanghai (Zi-ka-Wei)	Zi-Ka-Wei, Revue Mensuelle de l'Observatoire, 1922.	P, T, R, 1873–1920.		P, T = mean of 24 hrs.
562	Jinsen (Chemulpho)	Jinsen, Ann. Rep. Meteor. Obs., Tyôsen, 1922.	P, 1888–1915. T, 1888–1922. R, 1904–23.	e	Do.
562a	Nagasaki	See No. 559.	P, 1886–1920. T, R, 1879–1920.	e	Do.
563	Kyoto	Do.	P, 1881–1915. T, R, 1881–1920.	ce	P, T = $\frac{1}{6}$(2 + 6 + 10 + 14 + 18 + 22).
564	Tokyo	Do.	P, 1886–1920. T, R, 1876–1920.	e	P, T = mean of 24 hrs.
565	Kanayama	Do.	P, T, R, 1898–1922.	ce	P, T = $\frac{1}{6}$(2 + 6 + 10 + 14 + 18 + 22).
566	Miyako	Do.	P, 1886–1920. T, R, 1884–1920.	ce	Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 30° N. and 20° N.

ZONE 6

601	Midway Island	Washington, D.C., U.S. Dept. Agric., Monthly Weather Rev., 1925, p. 357, and MS. data.	P, 1912–24.	d	P=18$\frac{1}{2}$ h.
605	Honolulu	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1922–23.	P, 1905–21. T, 1883–1920. R, 1874–1920.	e	P = $\frac{1}{2}$ (8 + 20). T=$\frac{1}{3}$ (8 +20 +M +m) (157$\frac{1}{2}$° W. meridian time).
614	La Paz	Tacubaya, Bol. del Servicio Meteor. Mexicano, 1922.	..	er	P=$\frac{1}{3}$ (7 +14 +21).
615	Chihuahua	Do. do.	R, 15 yrs., 1901–11; '17–21.	er	P=$\frac{1}{3}$ (7 +14 +21). T derived from these hours.
616	Leon	Do. do.	P, 34 yrs., 1879–1922. T, 34 yrs., 1879–1914; '17–22. R, 37 yrs., 1878–79; '81–1914; '17–20.	er	Do. do.
616a	Monterry	Tacubaya, Bol. del Servicio Meteor. Mexicano, 1922 and MS. data.	P, 1886–88; '96–99; 1905–24. T, 1886–88; '96–99; 1905–20. R, 21–22 yrs., 1885–1920.	er	Do. do.
617	Tulancingo	Do. do.	T, R, 1911–14; '16–21.	r	Do. do.
618	Galveston	Washington, D.C., U.S. Dept. Agric., Rep. of Chief of Weather Bureau, 1922–23 and Monthly Weather Rev., 1922.	P, T, 1873–1923. R, 1871–1924.	nq	P, T=$\frac{1}{3}$ (8 +20) reduced to mean of 24 hrs.
618a	New Orleans	Do. do.	P, 1876–1915. T, 1873–1923. R, 1836; '39–60; '68; '70–1922.	n	Do. do.
619	Merida, Yuc.	See No. 614.	P, 28 yrs., 1894–1924. T, R, 25 yrs., 1895–1924.	en	P=$\frac{1}{3}$ (7 +14 +21). T derived from these hours.
620	Havana	Habana, Obs. Meteor. del Colegio de Belen, 1922.	P, 1858–1925. T, 1897–1923. R, 1898–1923.		P=$\frac{1}{10}$ (4 +6 +8 +10 +12 +14 +16 +18 +20 +22). T = $\frac{1}{12}$ [(4 +6 +8 +10 +12 +14 +16 +18 + 20 +22) +(4 +22)].
622	Key West	See No. 618.	P, T, 1873–1923. R, 1871–1922.	nq	P, T=$\frac{1}{3}$(8 +20) reduced to mean of 24 hrs.
623	Nassau, Bahamas	Bahamas Blue Book, 1922.	T, 43 yrs., 1874–91; '95–1920. R, 55 yrs., 1855–62; '68–1920.		T derived from $\frac{1}{3}$ (M +m).
624	Watling Island	MS. data at M.O.	P, (1873–99).	ekl	P, T=$\frac{1}{3}$ (2 +8 +12 +16 +22).
625	Izaña	Madrid, Res. Obs. efect en las Estaciones del Servicio Meteor. Español, 1922.	T, (1914–23).		P=$\frac{1}{3}$ (7 +12 +18). T derived from these hours.
626	La Laguna	Do. do.	P, (1880–1920). T, R, 1885–1900; '11–20.	de	P=$\frac{1}{3}$ (7 +13 +18).
627	Siwa	MS. data supplied by Phys. Dept., Cairo.	..	ac	P=8 h.
630	Cairo (Helwan)	MS. data supplied by Phys. Dept., Cairo.	P, 1904–20. T, R, 1904–22.	c	P=$\frac{1}{3}$(8 +14 +20). T derived from $\frac{1}{4}$ (8 +14 +20 +m).
631	Aswan	Do. do.	P, T, 1901–20.	cf	P=$\frac{1}{3}$ (8 +14 +20). T=$\frac{1}{4}$ (8 +14 +20 +m). No rain gauge, as rainfall is practically unknown.
632	Tor	Do. do.	P, T, 1905–20.	cf	P=$\frac{1}{3}$ (8 +14 +20). T=$\frac{1}{4}$ (8 +14 +20 +m).
633	Bushire	Calcutta, India Weather Review, 1922 and MS. data.	P, R, see current data. T, 43 yrs., 1876–1920.	aq	P=8 h. T derived from $\frac{1}{3}$ (M + m).
634	Jask	Do. do.	P, R, see current data. T, 27 yrs., 1893–1920.	aq	Do. do.
635	Karachi	Do. do.	P, R, see current data. T, 1905–19.	aq	Do. do.
636	Jacobabad	Do. do.	P, R, see current data. T, 1878–1910.	aq	Do. do.

For notes *see* page 115.

ZONE 6—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
651	Jaipur	Calcutta, India Weather Review 1922, and MS data.	**P, T, R,** see current data.	aq	**P**= 8 h. **T** derived from ½ (M+*m*).
652	Nagpur	Do. do.	**P, R,** see current data. **T,** 1875–1920.	aq	Do. do.
653	Allahabad	Do. do.	**P, R,** see current data. **T,** 1876–1920.	aq	**P, T** (Apr., Yr.)=8 h. **T** (Jan. to May to Dec.) derived from ½ (M+*m*).
653*a*	Darjeeling	Do. do.	**P, R,** see current data. **T,** 1890–1910.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
654	Calcutta	Do. do.	**P, T, R,** see current data.	aq	Do. do.
655	Gauhati	Do. do.	**P, R,** see current data. **T,** 1902–20.	aq	Do. do.
655*m*	Cherrapunji	Do. do.	**P, R,** see current data. **T,** 1902–20.	adq	Do. do.
655*a*	Akyab	Do. do.	**P, R,** see current data. **T,** 1878–1920.	aq	**P, T** (Oct., Yr.)=8 h. **T,** (Jan. to Sep Nov., Dec.) derived from ½ (M+*m*).
656	Mandalay	Do. do.	**P, R,** see current data. **T,** 1889–1910.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
656*a*	Tengyueh	MS. data supplied by Chinese Maritime Customs.	**P, T, R,** 1914–23.	ae	**P**=½ (3+6+9+12+15+21). **T** derive from ½ (M+*m*).
657	Phu Lien	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P, T,** 1907–21. **R,** 1906–20.		**P, T**=mean of bi-hourly observations
658	Moncay	Do. do.	**P, T,** 1907–21. **R,** 1906–20.	c	**P**=½ (10+16). **T** derived from th hours.
659	Hongkong	Hongkong, Royal Observatory, Monthly Meteor. Bull., 1922.	**P, T, R,** 1884–1920.		**P, T**=mean of 24 hrs.
660	Amoy	MS. data at M.O.	**P,** 15 yrs., 1894–1901; '14–22. **T,** 1890–1912. **R,** 1900–10; '15; '17–20.	ce	**P**=½ (9+18). **T** derived from ½ (M+ Max. temp. refers to period 9 h. to 21 and min. to 18 h. to 9 h.
661	Taihoku, Formosa	Tokyo, Ann. Rep. Centr. Meteor. Obs., Japan, 1922.	**P,** 25 yrs., 1897–1922. **T, R,** 1897–1921.	e	**P, T**=mean of 24 hrs.
661*a*	Basco	Manila, Weather Bureau, Monthly Bull., 1922 and MS. data.	**P, T,** 1903–17. **R,** 16 yrs., 1903–19.	c	**P**=½ (6+14). **T** derived from these hou
662	Naha	See No. 661.	**P, T, R,** 1891–1920.	e	**P, T**=mean of 24 hrs.
665	Titizima (Bonin Islands)	Do.	**P, T, R,** 1906–21.	ce	**P, T**=½ (2+6+10+14+18+22).

ZONE 7. Table showing the Authorities for the Meteorology of the Globe between Latitude 20° N. and 10° N.

715	Colima	Tacubaya, Bol. del Servicio Meteor. Mexicano, 1922.	..	e	**P**=½ (7+14+21). **T** derived from th hours.
716	Morelia	Do. do.	..	e	Do. do.
717	Mexico, Tacubaya	Do. do.	**P,** 1917–26. **T,** 1900–14; '17–26. **R,** 1900–24.	q	**P, T**=mean of 24 hrs.
718	Salina Cruz	Do. do.	**T,** 1907–12; '17–21. **R,** 1903–13; '16–19.	e	**P**=½ (7+14+21). **T** derived from th hours.
719	San Salvador	San Salvador, Anales del Obs. Meteor., 1922.	**P,** 1911–25. **T, R,** 1912–24.	e	**P**=½ (7+14+21). **T** =½(7+14+2×2
720	Belize	MS. data at M.O.	**P,** 1917–27. **T** (Jan. to Nov., Yr.), 1917–27. **T,** (Dec.) 1895–1905; '11–13. **R,** 1888–1917.	cde	**P, T** (Jan. to Nov., Yr.)=6 h. "d" refe to Dec.
721	Jamaica (Negril Pt.)	Jamaica Blue Book, 1922.	**P,** (1876–1915). **T,** 1898–1922. **R,** 1895–1919.	c	**P**=½ (7+15). **T** derived from ¼ (7+15 M+*m*).
722	Port au Prince	MS. data supplied by l'Office National Météor., Paris.	**P,** 1865–69; '88–1925. **T,** 1864–69; '88–1925. **R,** 1863–69; '83–1925.	ce	**P**=½ (7+13+21). **T** derived fro ¼ (7+13+2×21).
723	Caracas	Caracas, Red Meteor. de Venezuela, Res. de las Observaciones, 1922.	**P,** 1893–1920. **T,** 1895–1919. **R,** 1891–1925.	eq	**P**=½ (10+16), 67½° W. meridian which approximates to the mean 24 hrs. **T**=¼ (6+12+18+2×24+2
724	Montserrat	MS. data at M.O.	**P,** (1876–1915). **T, R,** 1915–24.	de	**P**=½ (9+15).
724*a*	Grenada (Richmond Hill)	Grenada Govt. Gazette, 1922.	**P, T, R,** 1891–1920.	e	**P**=½ (9+18). **T** derived from ½(M+ A correction of −1·0 mb. has been plied to the pressure values.
725	Barbados	Barbados Blue Book, 1922.	**P,** (1876–1915). **T,** (1887–1918). **R,** 1853–62; '65–1920.	c	**P**=½ (9+15). **T** derived from these Max. temp. refers to period 9 h. to 15 and min. to 15 h. to 9 h.
731	São Vicente, C. Verde Is.	MS. data supplied by Obs. Centr. Meteor., Lisbon.	**P, R,** 35 yrs., 1884–1921. **T,** 1901–19.		**P**=½ (9+15+21). **T**=¼ (9+21+3M+
732	San Tiago, C. Verde Is.	Do. do.	**P,** 25 yrs., 1893–1900; '04–21. **T,** 1890–1900; '04–19. **R,** 1888–1900; '04–19.		Do. do.
733	Bathurst	Gambia Blue Book, 1922.	**P,** 1914–23. **T,** 23 yrs., 1891–1900; '07–25. **R,** 1884–1920.		**P**=9 h. **T** derived from ½ (M+*m*).
734	M'Carthy Island	Gambia Blue Book, 1922, and MS. data supplied by Governor of the Gambia.	**T,** 15 yrs., 1908–23. **R,** 1908–22.		..
735	Ségou	MS. data supplied by Service Météor. de l'Afrique Occid. française, Dakar.	..		..
735*a*	Niénébalé	Do. do.	..		..
736	Timbuktu	MS. data supplied by l'Office National Météor., Paris.	**T,** 15 yrs., 1896–1917. **R,** 10 yrs., 1897–1924.		**T** derived from ½ (6+15+18).
737	Sokoto	MS. data at M.O.	**T,** 15 yrs., 1907–23. **R,** 1904–18.	o	**T** derived from ½ (M+*m*).
738	Kaduna Capital	Do.	**P,** (1877–1920). **T,** (Jan., Apr. to July, Nov.), **T** (Aug. to Oct., Dec.), 1917–26. **R,** 10 yrs., 1916–26.	eo	**P, T** (Aug. to Oct., Dec.)=9 h. **T** Apr. to July, Nov.) derived from ½ (M+*m*).
739	Hadeija	Do.	**T,** (Jan. to Apr., June), 10 yrs., 1918–28. **T,** (July to Dec.), 15 yrs., 1907–24. **R,** 15 yrs., 1904–20.		**T,** (Jan. to Apr., June)=9h. **T** (Jul Dec.) derived from ½ (M+*m*).
740	Maiduguri	Do.	**T,** 15 yrs., 1906–21. **R,** 1904–18.		**T** derived from ½ (M+*m*).
741	El Fasher	MS. data supplied by Phys. Dept., Cairo.	..	c	**T**=¼ (8+14+20+*m*).
743	El Obeid	Do. do.	**P, T,** 1901–20. **R,** 1902–20.	cg	**P**=½ (8+14+20). **T**=¼ (8+14+20+
743*a*	Khartoum	Do. do.	**P,** 1903–22. **T,** 1901–22. **R,** 1899–1922.	c	**P**=⅛ (8+14+20). **T** derived from ¼ (8+14+20+*m*).
744	Port Sudan	Do. do.	**P, T,** 1905–20. **R,** 1906–20.	cg	**P**=½ (8+14+20). **T**=¼ (8+14+20+
745	Berbera, Somaliland	MS. data at M.O.	**P, T,** 1908–22. **R,** 1906–20.	ce	**P**=⅛ (8+20). **T**=¼ (8+20+M+
746	Aden	Calcutta, India Weather Review, 1922 and MS. data.	**P, R,** see current data. **T,** 39 yrs., 1880–1920.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
751	Bombay	Calcutta, India Weather Review, 1922, MS. data and Bombay Magn. Meteor. and Seism. Obs., 1922.	**P, R,** see current data. **T,** 1878–1920.	aq	**P**=8 h. **T**=mean of 24 hours.
752	Kodaikanal	See No. 746.	**P, R,** see current data. **T,** 1899–1920.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
752*a*	Bangalore	Do.	**P, T, R,** see current data.	aq	Do. do.
753	Madras	Do.	**P, T, R,** see current data.	aq	Do. do.

For notes *see* page 115.

ZONE 7—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
754	Vizagapatam	See No. 746.	**P, R,** see current data. **T,** 15 yrs., 1888–1921.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
755	Port Blair	Do.	**P, R,** see current data. **T,** 1867–1920.	aq	Do. do.
756	Rangoon	Do.	**P, R,** see current data. **T,** 1876–1920.	aq	Do. do.
757	Saigon	MS. data supplied by l'Observatoire Centr. de l'Indochine.	**P, T,** 15 yrs., 1907–22. **R,** 1906–20.	cd	**P**=½ (10+16).
758	Nhatrang	Do. do.	**P, T,** 1907–21. **R,** 1906–20.	cd	Do.
759	Bolinao	Manila, Weather Bureau, Monthly Bull., 1922 and MS. data.	**P, T,** 15 yrs., 1902–20. **R,** 25 yrs., 1886–97; 1902–17.	c	**P**=½ (6+14). **T** derived from these hours.
761	Vigan	Manila, Weather Bureau, Monthly Bull., 1922.	**P, T,** 15 yrs., 1902–18. **R,** 25 yrs., 1887–96; 1902–19.	c	**P, T**=⅛ (2+6+10+14+18+22).
761*a*	Manila	Do. do.	**P, T, R,** 1887–1922.		**P, T**=mean of 24 hrs.
762	Ormoc	See No. 759.	**P, T,** 1902–05; '07–17. **R,** 1902–18.	c	**P**=½ (6+14). **T** derived from these hours.
765	Guam, Ladrone Is.	Do.	**P,** 1907–21. **T, R,** 1906–20.	c	Do. do.

Table showing the Authorities for the Meteorology of the Globe between Latitude 10° N. and 0°. ZONE 8.

805	Fanning Island	MS. data at M.O.	**T** (Jan., Yr.), 12 yrs., 1904–18. **T** (Feb. to Dec), 15 yrs., 1904–19. **R,** 15 yrs., 1903–18.	de	**P, T** (Jan., Yr.)=9 h. "d" refers to Feb. to Dec.
821	Colon	Balboa Heights, Panama Canal Section of Meteor. and Hydrogr., Monthly Meteor. Rep., 1922.	**P,** 1908–25. **T,** 25 yrs., 1881–88; 1907–25. **R,** 1863–74; '81–87; '89–1923.	d	**P,** reduced to mean of 24 hrs.
822	Bogota	Sarasola, S., Noticia del Nuevo Obs. de Colombia, Bogota, Notas Geof. y Meteor., I, 1924.	**R,** 1866–85; '94–1923.		..
822*a*	Merida, Venez.	Caracas, Red Meteor. de Venezuela, Res. de las Observaciones, 1922.	**P, T, R,** 1915–24.	q	**P**=½ (10+16). Pressure appears too high by about 6 mb. **T** derived from ½ (M+*m*).
823	Ciudad Bolivar	Do. do.	**R,** 1917–26.	d	..
824	El Peru, Guayanavieja	MS. data at M.O.	**P,** 11 yrs., 1910–22. **T,** 10 yrs., 1910–22. **R,** 15 yrs., 1910–25.	de	**P**=7½ h. approx.
825	Georgetown, Brit. Guiana	British Guiana Blue Book, 1922.	**P, T,** 1887–1924. **R,** 1894–1923.		..
826	Paramaribo	Paramaribo, Meteor. Waarnemingen, 1922 and MS. data.	**P,** 1876–1915. **T,** 1899–1923. **R,** 1847–54; '64—1925.	ae	**P**=⅛ (7+13+18). **T** derived from these hours. The pressures appear about 2·3 mb. too low. This correction has been applied.
826*a*	Cayenne	MS. data supplied by l'Office National Météor., Paris.	**P,** 16 yrs., 1845–52; '93–1905. **T,** 23 yrs., 1898–1922. **R,** 1859–99; 1903–12.	e	**P**=½ (9+16). **T** derived from these hours.
831	10°—5° N. 30°—25° W.	MS. data supplied by Meteorologische Instituut, De Bilt, Deutsche Seewarte and Meteorological Office, London.	**P, T,** Sea Temperature (Jan., Feb., Dec.), 1870–1914; '22–26, (Mar. to May), 1856–1919; '22–26, (June to Nov.) 1870–1926.		**P, T,** Sea Temp. reduced to mean of 24 hrs.
833	Konakri	MS. data supplied by Service Météor. de l'Afrique Occid. française, Dakar.	**T,** 10 yrs., 1905–16. **R,** 15 yrs., 1904–22.	ad	Pressure appears unreliable.
834	Freetown, Sierra Leone	MS. data at M.O.	**P,** 1877–1920. **T,** 1874–88; '91–1920. **R,** 1874–1920.	e	**P**=½ (9+17). **T**=¼ (17+M+2×*m*).
836	Assuantsi	Do.	..	d	..
837	Accra	Do.	**T,** 27–30 yrs., 1888–1908; 11–20. **R,** 32 yrs. 1888–1920.	de	**P**=9 h.
838	Lagos	Do.	**P, T, R,** 1891–1920.	de	**P** (Jan. to Mar., Yr.)=9 h. **P** (Apr. to Dec.)=½ (9+15). **T** (Apr. to Dec.) = ⅛ (9 + 2 × 15 + 2 × *m*). "d" refers to Jan. to Mar., Yr. **T** derived from ½ (M+*m*).
839	Zungeru	..	..		..
840	Yola	Do.	**T,** 1905–19. **R,** 1903–19.	o	**T**=9 h.
841	Wau	Do.	**T,** 1915–24. **R,** 1904–18.	g	**T**=¼ (8+14+20+*m*).
843	Malakal (Kodok)	MS. data supplied by Phys. Dept., Cairo.	**T,** 1902–20. **R,** 1904–20.	g	**P**=½ (8+14+20). **T**=¼ (8+14+20+*m*).
844	Mongalla	MS. data supplied by Phys. Dept., Cairo.	**P, R,** 15 yrs. **T,** 10 yrs.	gq	Do. do.
850	Entebbe	Do. do.	**P, T, R,** 1903–20.	eq	**P**=½ (7+14+21). **T** derived from ¼ (7+14+2×21).
851	Minicoy	MS. data at M.O.	**P,** 1904–20. **T,** 1901–20. **R,** 1896–1920.	eq	**P**=8 h.
852	Cochin	Calcutta, India Weather Review, 1922.	**P, R,** see current data.	aq	**P**=8 h. **T** derived from ½ (M+*m*).
852	Colombo Observatory	Calcutta, India Weather Review, 1922 and MS. data.	**P, R,** see current data. **T,** 1875–1920.		**P**=½ (9½+15½). **T** derived from ½ (M+*m*).
853	Nuwara Elija	Ceylon, Govt. Gazette, Suppl., 1922 and Blue Book, 1922.	**P, T, R,** 1869–1920.	e	Do. do.
854	Trincomalee	Do. do.	**P,** 49 yrs., 1869–1920. **T,** 1869–77; '80–1920. **R,** 1869–1920.		Do. do.
856	Kuta Raja	Do. do.	**P, T, R,** 1869–1920.		**P** reduced to mean of 24 hrs.
857	Medan	Batavia, Regenw. in Nederlandsch-Indië, 1922 and MS. data.	**P,** 1910–19. **R,** 1879–1923.		
858	Penang	Do. do.	**P,** 1908; '10–18. **R,** 1879–1923.		**P** reduced to mean of 24 hrs. **T**= mean of 24 hrs.
859	Singapore	Straits Settlements, Meteor. Obs., 1922.	**P,** 1882–1916. **T,** 1882–1920. **R,** 1883–1917.	ade	**P**=½ (9+15+21).
860	Sandakan	Straits Settlements, Meteor. Obs., 1922 and MS. data.	**P, T,** 1898–1922. **R,** 1869–1920.	de	Do.
861	Iwahig	MS. data at M.O.	**T, R,** 1879–95; 1904–20.	d	..
861*a*	Tagbilaran	Manila, Weather Bureau, Monthly Bull., 1922 and MS. data.	**P,** 1914–23. **T, R,** 10 yrs., 1914–24.		**P**=½ (6+14). **T** derived from these hours.
861*a*	Menado	Manila, Weather Bureau, Monthly Bull., 1922.	**P,** 15 yrs., 1902–18. **T, R,** 15 yrs., 1903–18.		**P, T**=⅛ (2+6+10+14+18+22).
862	Surigao	See No. 855.	**P,** 1905–07; '09–16. **R,** 1879–1923.		**P** reduced to mean of 24 hrs. **T**= mean of 24 hrs.
863	Kolonie, Yap	See No. 861.	**P,** 15 yrs., 1902–18. **T,** 15 yrs., 1902–05; '07–19. **R,** 1902–17.		**P, T**=⅛ (2+6+10+14+18+22).
		Do.	**P,** 1907–08; '10–22. **T,** 15 yrs., 1906–08; '10–22. **R,** 15 yrs., 1905–20.		Do. do.

For notes *see* page 115.

ZONE 9. Between Latitude 0° and 10° S

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
905	Malden Island	MS. data at M.O.	**P, T** (Sept., Nov., Dec.), 24 yrs., 1890–1918. **T** (Jan. to Aug.), **R**, 28 yrs., 1890–1919.	e	**P**=9h. **T** (Jan. to Aug.) derived from 9 h. **T** (Sept., Nov., Dec.) derived from $\frac{1}{2}(M+m)$.
924	Manaos	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**T**, 1911–20. **R**, 1902–19.	h	**T**=$\frac{1}{4}(7+21+M+m)$.
926	Taperinha	Do. do.	**P, T**, 1914–23.		**P**=$\frac{1}{2}(7+14+21)$. **T**=$\frac{1}{4}(7+14+2\times21)$.
927	Turyassu	Do. do.	**P, T, R**, 1912–21.	q	Do. do.
928	Barra do Corda	Do. do.	**P, T, R**, 1912–21.	q	Do. do.
929	Quixeramobim	Do. do.	**P**, 1897–1924. **T, R**, 1896–1920.	q	**P**=$\frac{1}{2}(7+14+21)$. **T** derived from $\frac{1}{4}(7+14+2\times21)$.
930	Fernando Noronha	Do. do.	**P, T, R**, 1911–20.	q	**P**=$\frac{1}{2}(7+14+21)$. **T**=$\frac{1}{4}(7+14+2\times21)$.
939	Loanda	Loanda, Resumo das Observações meteor. ... de Angola., Boletim Oficial, 1922.	**P**, 1879–97; 1900–09; '13–20. **T, R**, 1879–97; 1900–20.		**P, T**=mean of 24 hrs.
940	Brazzaville	MS. data supplied by l'Office National Météor., Paris.	**P, T**, 15 yrs., 1898; 1906–21. **R**, 15 yrs., 1898; 1906–10; '12–21.	cde	**P**=$\frac{1}{2}(9+16)$.
943	Masaka	MS. data at M.O.	**T**, 15 yrs., 1903–10; '13–23. **R**, 1902–20.		**T**=$\frac{1}{4}(7+14+2\times21)$.
944	Nairobi (Dept. Agric.)	MS. data supplied by Department of Agriculture, Nairobi.	**R**, 1914; '17–25.	b	..
944*a*	Zanzibar	Calcutta, India Weather Review, 1922 and MS. data.	**P, R**, see current data. **T**, 1891–1920.	a	**P**=8 h. **T** derived from $\frac{1}{2}(M+m)$.
945	Lamu	See No. 944.			
947	Seychelles, Port Office	See No. 944*a*.	**T**, 1911–20. **R**, 20 yrs., 1894–99; 1906–20. **P, T**, (Feb., Apr. to Dec.) see current data. **T** (Jan., Mar., Yr.), 1915–24. **R**, 1891–1920.	bd	.. **P**=$\frac{1}{2}(10+16)$ reduced to mean of 24 hrs. **T** (Jan., Mar., Yr.)=$\frac{1}{2}(10+16)$. **T** (Feb., Apr. to Dec.) derived from $\frac{1}{2}(M+m)$.
957	Padang	Batavia, Regenw. in Nederlandsch-Indië, 1922 and MS. data.	**P**, 1908–17. **R**, 1879–1923.		**P** reduced to mean of 24 hrs.
958	Batavia	Batavia, Obs. R. Magn. and Meteor. Obs., 1922, and Regenw. in Nederlandsch-Indië, 1922.	**P, T**, 1866–1923. **R**, 1864–1923.	e	**P, T**=mean of 24 hrs.
958*a*	Pontianak	See No. 957.			
959	Pasuruan	Batavia, Regenw. in Nederlandsch-Indië, 1922.	**P**, 1906–20. **R**, 1879–1923. **R**, 1879–1923.		**P** reduced to mean of 24 hrs. ..
960	Kajoemas	Do. do.	**R**, 1887–1923.		..
962	Amboina	See No. 957.	**P**, 1906–20. **R**, 1879–1923.		**P** reduced to mean of 24 hrs.
963	Manokwari	See No. 959.	**R**, 1901–23.		..
965	Daru	Port Moresby, Papua Govt. Gazette, 1922–23.	**P**, 18 yrs., 1894–95; 1903–22. **T**, 1897–1915. **R**, 25 yrs., 1894–1922.	d	**P**=9 h.
966	Port Moresby	Do. do.	**P**, 24 yrs., 1891–95; 1902–22. **T**, 23 yrs., 1891–95; 1902–20. **R**, 28 yrs., 1891–1920.	d	Do.
967	Rabaul	MS. data supplied by Meteor. Bureau, Melbourne.	**T**, 1916–27. **R**, 1912; '14–27.	d	**P**=$\frac{1}{2}(9+15)$.
968	Rendova	Do. do.	**R**, 1907–20; '22.		..
969	Tulagi, Brit. Solomon Is.	MS. data at M.O.	**P, T**, 1907–21. **R**, 1898–1922.	e	**P**=9 h. **T** derived from $\frac{1}{2}(M+m)$.
970	Ocean Island	Do.	**P, T**, 15 yrs., 1905–20. **R**, 1905–19.	e	**P**=$\frac{1}{2}$ (8 + 20). **T** derived from $\frac{1}{2}(M+m)$.

ZONE 10. Table showing the Authorities for the Meteorology of the Globe between Latitude 10° S. and 20° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1002	Apia, Samoa	MS. data supplied by Director, Apia Observatory.	**P, T, R**, 1890–1924.		**P, T**=mean of 24 hrs.
1003	Alofi, Niue Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T**, 15 yrs., 1907–22. **R**, 15 yrs., 1905–21.	a	**T** derived from $\frac{1}{2}(M+m)$.
1021	Arequipa	MS. data supplied by Professor Pickering, Harvard College.	**T**, 31 yrs., 1888–1920. **R**, 35 yrs., 1888–90; '92–1924.		**T** derived from $\frac{1}{2}(8+20)$.
1022	Tacna	Santiago, Publ. Inst. Meteor. de Chile, No. 34, Anuario, 1922.	..		**T** derived from $\frac{1}{4}(7+14+2\times21)$.
1023					
1024	Sucre, Bolivia	Sucre, Boletin Mensual del Obs. Meteor., 1922.	**R**, 1883–1904; '10–19.		**P**=$\frac{1}{2}(7+14+21)$. **T**=$\frac{1}{4}(7+14+2\times21)$.
1025	Corumba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P, R**, 1912–21. **T**, 10 yrs., 1913–27.	q	Do. do.
1026	Cuyaba	Do. do.	**P**, (Dec.,) 1900–24. **T**, 1901–19. **R**, 1901–25.	q	Do. do.
1027	Bello Horizonte	Bello Horizonte, Sec. Agric. Minas Geraes, Serviço Meteor., Boletim Annual, 1922.	**P**, 15 yrs., 1910–26. **T**, 1910–21. **R**, 15 yrs., 1910–25.	e	**P, T**=mean of 24 hrs.
1028	Caetite	See No. 1025.	**P, R**, 15 yrs., 1909–26. **T**, 1912–21.	q	**P**=$\frac{1}{2}$ (7 + 14 + 21). **T**=$\frac{1}{4}$ (7 + 14 + 2×21).
1029	Ondina (Bahia)	Do.	**P**, 15 yrs., 1909–26. **T**, 1911–20. **R**, 26 yrs., 1880–1907; '09–19.	q	Do. do.
1030	Aracaju	..	..		..
1035	St. Helena	MS. data at M.O.	**P, R**, 1892–1920. **T**, 1892–1922.	eq	**P**=9 h. **T** derived from $\frac{1}{2}(9+M+m)$. Hb. redetermined as 604 m. **T**=$\frac{1}{4}(9+21+M+m)$.
1039	Mossamedes	Loanda, Resumo das Observações Meteor. ... de Angola, Boletim Oficial, 1922 and MS. data.	..		..
1041	Elizabethville	Congo Belge, Service de l'Agriculture, Elements climatologiques.	**P**, 10 yrs., 1912–16; '21–26. **T**, 1912–21. **R**, 1912–26.	e	**P**=8 h.
1042	Gwelo	MS. data at M.O.	**P, T, R**, 1907–21.	ceq	Do.
1043	Salisbury Gaol, Rhodesia	Do.	**P, T**, 1897–1923. **R**, 1896–1923.	eq	**P**=mean of 24 hrs. **T** derived from $\frac{1}{2}(M+m)$. Pressure values refer to Meteor. Office, Dept. Hb. 1468 m.
1044	Zomba	Nyasaland Govt. Gazette, 1922.	**P**, 1908–26. **T, R**, 1892–1926.	e	**P**=$\frac{1}{2}(9+21)$. **T** derived from 6 hours.
1045	Antananarivo	MS. data supplied by l'Office National Météor., Paris.	**P, T**, 1889–1923. **R**, 1890–1923.	ceq	**P**=$\frac{1}{2}(7+13+18)$. **T** derived from 6 hours.

For notes *see* page 115.

ZONE 10—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1046	Tamatave	Bulletin Economique de Madagascar, 1922.	..	d	..
1047	Vohémar	Do. do.	..	d	..
1048	Antalaha	Do. do.	..	c	**P**=$\frac{1}{3}(7+12+18)$.
1055	Cocos Keeling Is.	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T**, 1905–20. **R**, 1904–20.	d	**P**=$\frac{1}{2}(9+15)$.
1057	Christmas Island	MS. data.	**P, T, R**, 1902–22.	e	**P**=$\frac{1}{2}(9+21)$. **T**=$\frac{1}{4}(9+21+M+m)$.
1061	Kupang	Batavia, Regenw. in Nederlandsch-Indië, 1922 and MS. data.	**P**, 1910–19. **R**, 1879–1923.		**P** reduced to mean of 24 hrs. **T**=mean of 24 hrs.
1061*a*	Derby	See No. 1055.	**P, T**, 1897–1919. **R**, 1886–1920.		**P**=$\frac{1}{2}(9+15)$.
1062	Hall's Creek	Do.	**P**, 1901–19. **T**, 1899–1919. **R**, 1891–1919.		**P**=$\frac{1}{2}(9+15)$. **T** derived from $\frac{1}{2}(M+m)$.
1063	Darwin	Do.	**P, T**, 1882–1924. **R**, 1870–1924.		Do. do.
1064	Daly Waters	Do.	**P**, 1881–1919. **T**, 1886–1920. **R**, 1873–1919.		Do. do.
1065	Mein	Do.	**P**, 1906–20. **T**, 1907–19. **R**, 1888–1919.		**P**=$\frac{1}{2}(9+15)$.
1066	Georgetown, Queensland	Do.	**P**, 1910–19. **T**, 1907–19. **R**, 1872–1919.		Do.
1066*a*	Willis Island	Do.	..	d	**P, T**, (Nov., Dec., Yr.)=9 h. **T** (Jan. to Oct.) derived from $\frac{1}{2}(M+m)$.
1067	Samarai	Port Moresby, Papua Govt. Gazette, 1922–23.	**P**, 15 yrs., 1904–24. **T** (Jan. to Oct.), 15 yrs., 1904–23. **T** (Nov., Dec., Yr.), 17 yrs., 1904–24. **R**, 15 yrs., 1891–92; 1904–20.		
1072	Suva, Fiji	MS. data at M.O.	**P, T, R**, 1886–1920.	c	**P**=9 h. **T** derived from $\frac{1}{2}(M+m)$.

Table showing the Authorities for the Meteorology of the Globe between Latitude 20° S. and 30° S.

ZONE 11.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1105	Rarotonga (Avarua)	MS. data supplied by Meteor. Office, Wellington, N.Z.	**T**, 1899–1914. **R**, 1899–1915.	a	**T** derived from $\frac{1}{2}(M+m)$.
1121	Punta Tortuga, Coquimbo	Santiago, Publ. Inst. Meteor. de Chile, No. 34, Anuario, 1922.	**P**, 25 yrs., 1870–1920. **T**, 1899–1908; '10–24. **R**, 1900–24.	e	**P**=$\frac{1}{2}(7+14+21)$. **T** derived from $\frac{1}{4}(7+14+2\times21)$.
1122	Iquique	Do. do.	**P**, 17 yrs., 1886; '99–1917. **T**, 1900–24. **R**, 1886; '99–1908; '11–24.	e	Do. do.
1123	Catamarca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1922, and Washington, Smith's Inst., Misc. Coll., '79, 1927.	**P**, 1901–24. **T**, 1904–24. **R**, 1902–24.	e	**P, T**=mean of 24 hrs.
1124	Salta	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1922.	**P, T R**, 1901–24.		
1125	Goya	Do. do.	**P, T, R**, 1877–1924.	q	Do.
1126	Asuncion	MS. data supplied by Director, Oficina Meteor., Argentina.	**P**, 28 yrs., 1893–1924. **T**, 1892–1911; '17–21. **R**, 28 yrs., 1893–1911; '13–23.	e	Do.
1127	Curityba	MS. data supplied by Directoria de Meteorologia, Rio de Janeiro.	**P**, 38 yrs., 1885–1924. **T**, 1885–1916; '20–22. **R**, 1885–1917; '20–25.	e	Do.
1128	Rio de Janeiro	Do. do.	**P, R**, 1851–1925. **T**, 1871–1925.	q	**P**=$\frac{1}{3}(7+14+21)$. **T**=$\frac{1}{4}(7+14+2\times21)$.
1139	Windhoek	MS. data supplied by Meteorological Assistant, Windhoek.	**T**, 13 yrs., 1901–05; '11–21. **R**, 25 yrs.		**P**=$\frac{1}{3}(7+14+21)$. **T**=mean of 24 hrs. Pressure values July to Dec. have been reduced to old height of 61·4 m. **T** derived from $\frac{1}{2}(M+m)$.
1140	Kimberley				
1141	Johannesburg	MS. data supplied by Dr. J. R. Sutton.	**P**, 1895–1923. **T**, 1897–1923. **R**, 1894–1923.	ceq	**P**=$\frac{1}{2}(8+14+20)$. **T**=mean of 24 hrs.
1142	Bulawayo	Pretoria, Monthly Weather Rep. of Meteor. Office, 1922 and London, Meteor. Mag., 1922–23.	**P, T**, 1904–24. **R**, 1888–1924.	eq	**P**, reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}(M+m)$.
1143	Durban	MS. data at M.O.	**P, T**, 1897–1923. **R**, 1896–1924.	ceq	**P**=8 h. **T** derived from $\frac{1}{2}(M+m)$.
1144	Lourenço Marques	Pretoria, Monthly Weather Rep. of Meteor. Office, 1922 and MS. data.	**P**, 1884–1920. **T**, 1885–1920. **R**, 1873–1920.	ce	**P**=8½ h. **T** derived from $\frac{1}{2}(M+m)$.
1145	Tuléar	Lourenço Marques, Relatório do Observatório Campos Rodrigues, 1922.	**P, T, R**, 15 yrs.		**P, T**=mean of 24 hrs.
1146	Fort Dauphin	Bulletin Economique de Madagascar, 1922.	..		..
1147	Mauritius	Do. do.	..	cd	**P**=$\frac{1}{3}(7+12+18)$.
1159	Onslow	Mauritius, Results of Meteor. Obs., 1922, at Royal Alfred Observatory.	**P, T, R**, 1861–1919.	e	**P, T**=mean of 24 hrs.
1161	Cue	MS. data supplied by Meteor. Bureau, Melbourne.	**P, T**, 1897–1921. **R**, 1886–1920.		**P**=$\frac{1}{2}(9+15)$.
1162	Nullagine	Do. do.	**P, T**, 1897–1926. **R**, 1895–1926.		**P**=$\frac{1}{2}(9+15)$.
1163	Laverton	Do. do.	**P**, 1900–19. **T**, 1899–1919. **R**, 1898–1922.		**P**=$\frac{2}{3}(9+15)$.
1164	Alice Springs	Do. do.	**P, T**, 1901–19. **R**, 1900–19.		**P**=$\frac{1}{2}(9+15)$. **T** derived from $\frac{1}{2}(M+m)$.
1165	William Creek	Do. do.	**P**, 1885–1923. **T**, 1879–1924. **R**, 1873–1924.		Do. do.
1166	Boulia	Do. do.	**P**, 1889–1919. **T**, 1889–1918. **R**, 1874–1919.		Do. do.
1167	Thargomindah	Do. do.	**P**, 1900–19. **T**, 1898–1922. **R**, 1887–1921.		Do. do.
1168	Mitchell	Do. do.	**P, T**, 1910–24. **R**, 1879–1924.		Do. do.
1169	Rockhampton	Do. do.	**T**, 1907–21. **R**, 1884–1919.		**P**=$\frac{1}{2}(9+15)$.
1170	Brisbane	Do. do.	**P**, 1889–1919. **T**, 1898–1922. **R**, 1887–1921.		Do.
1171	Norfolk Island	Do. do.	**P, T**, 1887–1924. **R**, 1840–50; '60–1924.		**P**=$\frac{1}{2}(9+15)$. **T**=$\frac{1}{4}(9+15+21+m)$.
			P, 1908–11; '15–22. **T**, 1879; '81–Feb., '84; 1915–22. **R**, 1887–1912; '15–22.	d	**P**=9 h.

Between Latitude 30° S. and 40° S.

ZONE 12.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1201	Juan Fernandez	Santiago, Publ. Inst. Meteor. de Chile, No. 34, Anuario, 1922.	**T**, 1911–22. **R**, 17 yrs., 1902–07; '09; '11–22.		**T** derived from $\frac{1}{4}(7+14+2\times21)$.
1202	Punta Tumbes	Do. do.	**P, T, R**, 1901–17.	e	**P**=$\frac{1}{3}(7+14+21)$. **T** derived from $\frac{1}{4}(7+14+2\times21)$.
1203	Punta Angeles, Valparaiso	Do. do.	**P**, 1869–72; '83–'86; '99–1918. **T**, 1899–1908; '11–18. **R**, 1869–74; '99–1918.	e	Do. do.
1204	Santiago	Do. do.	**P**, 1861–1921. **T**, 1860–1920. **R**, 1867–1921.	e	Do. do.

For notes *see* page 115.

ZONE 12—*continued.*

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1223	Cordoba	Cordoba, Oficina Meteor. Nacion., Sinopsis del Tiempo, 1922–24.	**P, T, R,** 1873–1924.	e	**P, T**=mean of 24 hrs.
1224	Bahia Blanca	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1922.	**P, T,** 1860–83; '96–1924. **R,** 1860–83; '85–1924.		Do.
1225	Buenos Ayres (Chacarita)	Do. do.	**P,** 1858–1924. **T,** 1856–1924. **R,** 1861–1924.		Do.
1226	Montevideo (Obs. Central)	Montevideo, Instituto Meteor. Nacional, Datos 1922 and MS. data.	**P, T, R,** 1906–15; '18–22.		**P**=$\frac{1}{3}$ (7+14+21). **T** derived from (7, 14, 21, M, *m*).
1226*a*	Porto Alegre	Porto Alegre, Inst. Astr. e Meteor., Bol. Ann., 1922.	**P, T, R,** 10 yrs., 1910–22.	e	**P, T**=mean of 24 hrs.
1239	Cape Town	London, Meteor. Mag., 1922–23.	**P, R,** 1841–1924. **T,** 1857–1924.		**P,** reduced to mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1240	Danger Point	MS. data supplied by Chief Meteorologist, Pretoria.	**T,** 10 yrs., 1910; '12; '14–22. **R,** 25 yrs.	ce	**P**=8$\frac{1}{2}$ h.
1241	Riversdale	Do. do.	**R,** 49 yrs.	ce	Do.
1242	East London	Pretoria, Monthly Weather Report, 1922 and MS. data.	**P,** 1870–1904. **T,** 1881–1906; '10–19. **R,** 35 yrs., 1877–1914.	c	Do.
1259	Perth (Observatory)	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1885–1921. **T,** 1897–1921. **R,** 1876–1921.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{3}$ (M+*m*
1260	Katanning	Do. do.	**P, T,** 1897–1921. **R,** 1892–1919.		**P**=$\frac{1}{2}$ (9+15).
1261	Coolgardie	Do. do.	**P, T,** 1897–1921. **R,** 1893–1919.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{3}$ (M+*m*
1262	Eucla	Do. do.	**P,** 1879–1918. **T,** 1878–1919. **R,** 1876–1919.		Do. do.
1263	Streaky Bay	Do. do.	**P,** 1890–1919. **T,** 1891–1919. **R,** 1878–1919.		Do. do.
1264	Adelaide	Do. do.	**P, T,** 1856–1924. **R,** 1839–1924.		Do. do.
1265	Melbourne	Do. do.	**P,** 1858–1919. **T, R,** 1856–1919.		**P**=mean of 24 hrs. **T** derived from $\frac{1}{2}$ (M+*m*).
1266	Bourke	Do. do.	**P,** 1907–24. **T,** 1874–1918. **R,** 1873–1919.		**P**=9 h.
1267	Sydney	Do. do.	**P, T,** 1859–1924. **R,** 1840–1924.		**P**=$\frac{1}{2}$ (9+15).
1268	Lord Howe Island	Do. do.	**P,** 1914–23. **T,** 1913–21; '23. **R,** 1897–1912; '15–19.		**P**=9 h.
1271	Auckland	Wellington, Statistics of New Zealand, Meteor., 1922.	**P,** 1915–25. **T,** 1864–1923. **R,** 1853–1923.	a	Do.
1272	Napier	Do. do.	**P,** 1867–80; 1905–15. **T,** 31 yrs. **R,** 18 yrs.	a	Do.

ZONE 13. Table showing the Authorities for the Meteorology of the Globe between Latitude 40° S. and 50° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1301	Chatham Island	MS. data supplied by Meteor. Office, Wellington, N.Z.	**R,** 25 yrs., 1879–81; '94–1919.		**P**=9 h.
1321	Isla Guafo	Santiago, Publ. Inst. Meteor. de Chile, No. 34, Anuario, 1922.	**P, R,** 1908–22. **T,** 1911–20.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1322	Punta Galera	Do. do.	**P, T, R,** 1899–1923.	e	Do. do.
1323	Sarmiento	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1922.	**P, T, R,** 21 yrs., 1903–24.		**P, T**=mean of 24 hrs.
1324	Punta Madryn	Do. do.	**P,** 19 yrs., 1902; '05–24. **T,** 1901–24. **R,** 21 yrs., 1902–24.		Do.
1365	Launceston	MS. data supplied by Meteor. Bureau, Melbourne.	**P,** 1905–19. **T,** 1891–1918. **R,** 1886–1920.		**P**=$\frac{1}{2}$ (9+15). **T** derived from $\frac{1}{3}$ (M+*m*
1366	Hobart	Do. do.	**P,** 1885–1919. **T,** 1871–1919. **R,** 1841–79; '82–1919.		Do. do.
1370	Invercargill	Wellington, Statistics of New Zealand, Meteor., 1922.	**T,** 17 yrs. **R,** 33 yrs.	a	..
1371	Dunedin	Do. do.	**P, T,** 1864–1923. **R,** 67 yrs.	a	**P**=9 h.
1371*a*	Christchurch	Do. do.	**P,** 1905–23. **T,** 1864–80; 1905–23. **R,** 1864–80; '94–1923.	a	**P**=9$\frac{1}{2}$ h.
1372	Wellington	Wellington, New Zealand Govt. Gazette, 1922–23.	**P, T,** 1864–1923. **R,** 1862–1923.		**P**=9 h.

ZONE 14. Between Latitude 50° S. and 60° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1421	Islota de los Evangelistas	Santiago, Publ. Inst. Meteor. de Chile, No. 34, Anuario, 1922.	**P, R,** 1899–1923. **T,** 1899–1908; '10–24.	e	**P**=$\frac{1}{3}$ (7+14+21). **T** derived from $\frac{1}{4}$ (7+14+2×21).
1422	Puerto de Punta Arenas	Do. do.	**P,** 1889–1924. **T, R,** 1888–1924.	e	Do. do.
1423	Punta Dungeness	Do. do.	**P,** 1900–08; '10–18. **T,** 1900–18. **R,** 1903–18.	e	Do. do.
1424	Santa Cruz	Buenos Ayres, Oficina Meteor. Nacion., Bol. Mens., 1922.	**P,** 1903–09; '11–24. **T,** 1901–24. **R,** 24 yrs., 1896–98; 1903–24.		**P, T**=mean of 24 hrs.
1424*a*	Año Nuevo	MS. data supplied by Ministerio de Marina, Buenos Ayres.	**T,** 19 yrs., 1886–95; 1902–05; '14–21.		**T** derived from $\frac{1}{3}$ (8+14+20), apparently changed in January. Rainfall normal not applicable.
1425	Stanley, Falkland Is.	MS. data supplied by the Governor, Falkland Islands.	..		**P, T**=9 h.
1426	Cape Pembroke	MS. data at M.O.	**P, T,** 1895–1920.	e	**P, T**=$\frac{1}{6}$ (4+8+12+16+20+24). rain gauge.
1429	S. Georgia (Cumberland Bay)	Do.	**P, T,** 1905–26. **R,** 1906–26.	e	**P**=$\frac{1}{3}$ (8+14+20). **T** derived from hours.

ZONE 15. Between Latitude 60° S. and 70° S.

No.	Name of Station.	Authority for Current Data.	Period of Normals.		Remarks.
1527	South Orkneys	MS. data supplied by Oficina Meteor. Nacion., Buenos Ayres.	**P, T,** 1903–23. **R,** 17–18 yrs., 1904–23.	e	**P, T**=mean of 24 hrs.

For notes *see* page 115.

NOTES.

a. Maximum thermometer read at hour of morning observation and entered to day of reading.
b. Maximum and minimum temperatures from whole degrees Fahrenheit.
c. International Zone Time.
d. **T** derived from table below.
e. M.S.L. reduction applied in M.O.
f. At Cairo, mean temperatures obtained by this formula are 0.7*a* too low.
g. At Khartoum, mean temperatures obtained by this formula are 1.0*a* too low.
h. At Quixeramobim, mean temperatures obtained by this formula are 0.6*a* too low.
k. Absolute maximum taken from observations at fixed hours.
l. Absolute minimum taken from observations at fixed hours.
n. 75th W. meridian time.
o. 7$\frac{1}{2}$ E. meridian time.
q. Pressure differences from normal refer to station level values.
r. 105th W. meridian time.

Normals for which the period is enclosed in brackets have been computed by comparison with neighbouring stations.

The statement that **T** is derived from a certain combination means that a correction has been applied to the values given by this combination to obtain the approximate true mean temperature.

Daily Observations of Wind within the Tropics.—The information is extracted from MS. data at M.O.

REDUCTION TO TRUE MEAN TEMPERATURE.

The following references give the more important authorities for the corrections which have been applied to reduce the temperatures, either means of observations at fixed hours or means of maxima and minima, to true mean.

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The following table gives approximate corrections for the limits 30° N. to 30° S. to reduce $\frac{1}{2}$ (M+*m*) to true mean temperature (**T**), taking into consideration the height and the daily range (M−*m*). It can be applied in cases where no other correction is available, and has been so used in the tables in this issue.

Daily Range	Height in Metres.							
	0	500	1000	1500	2000	2500	3000	3500
a.	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*	*a.*
4	— ·35	— ·42	— ·49	— ·56	— ·63	— ·70	— ·77	— ·84
6	— ·42	— ·50	— ·58	— ·66	— ·74	— ·82	— ·90	— ·98
8	— ·52	— ·59	— ·65	— ·72	— ·78	— ·85	— ·91	— ·98
10	— ·64	— ·67	— ·70	— ·73	— ·76	— ·79	— ·82	— ·85
12	— ·79	— ·76	— ·73	— ·70	— ·67	— ·64	— ·61	— ·58
14	— ·97	— ·85	— ·73	— ·61	— ·49	— ·37	— ·25	— ·13

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